CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, June 22, 1911.

CONTENTS.

CONSTRUCTION NEWS:
Railways 293
Electric Railways 293
Light and Power Plants 293
Bridges 294
Buildings 295
Water Supply and Irrigation 296
Sewerage 297
Streets and Roads 297
Manufacturing Plants 299
Miscellaneous Contracts 300
Contract Prices 300
Plans and Specifications on File 301
List of Contracts Pending 301
PROPOSALS 302

RAILWAYS.

*(*Denotes that this work is advertised in Engineering News.)*

PENNSYLVANIA.—Pittsburg & Lake Erie R. R.—A branch from Martin, Pa., to the West Virginia state line is under consideration. J. A. Atwood, Pittsburg, Pa., is Ch. Engr.

✚MARYLAND.—Baltimore & Ohio R. R. Co.—The contract for a new classification yard at Curtis Bay, South Baltimore, Md., and for the third tracking between Green Springs and Patterson Creek, W. Va., about 7 miles, has been awarded to J. A. HART CO., 256 Broadway, New York.

NORTH CAROLINA.—Mattamuskeet R. R.—It is reported that an offer has been made to the state, by a syndicate, to build a 105-mile railroad from Washington, N. C., to Lake Mattamuskeet in exchange for right-of-way, terminal and clock facilities. An important drainage contract has recently been awarded which will add nearly 100 square miles to the farm lands of that part of the state.

✚KENTUCKY.—Louisville & Nashville R. R.—Contracts for grade revision, alinement and double tracking between Covington and Paris, Ky., have been let to the following: BOXLEY BROS. CO., Quincy, Ill; PATTERSON & GRIFFIN, Pittsburg, Pa.; HOUGH & SPRADLIN; C. J. McKINNEY and CALLAHAN CONSTRUCTION CO., Knoxville, Tenn.; J. H. FLICK CONSTRUCTION CO., Chicago; ROBERT GRACE CONTRACTING CO., Cleveland, Ohio, and PRICE CONSTRUCTION CO., Middleboro, Ky. W. H. Courtenay, Louisville, Ky., is Ch. Engr.

TEXAS.—Beaumont & Great Northern R. R.—This road, owned by William Carlisle, Atchison, Kan., is to be extended from Livingston to Beaumont, about 100 miles. An extension of the line from Trinity to Waco, about 150 miles, is also contemplated.

TEXAS.—Quanah, Acme & Pacific R. R. Co.—The seventh survey is being made for the proposed extension from Paducah, Texas, to El Paso via Roswell, N. M., a distance of about 450 miles. It is announced that the construction of this line will be started as soon as the route is finally located for the first 100 miles out of Paducah. It is a St. Louis & San Francisco project.

COLORADO.—Atchison, Topeka & Santa Fe Ry.—Press reports state that this company intends to do considerable double tracking in Colorado. C. A. Morse, Topeka, Kan., is Ch. Engr.

NEW MEXICO.—Paso, Sierra Nevada & San Francisco.—This recently incorporated company contemplates the building of a 750-mile line through the counties of Taos, Rio Arriba, Santa Fe, San Juan, Colfax and Union, in New Mexico, and the southern counties of Utah. H. S. Annamaker, Amistad, N. Mex., is Pres.; F. Hamm, Dallas, Tex., Vice-Pres.; J. Gill, Clayton, N. Mex., Secy, and W. P. Halliday, Fort Worth, Tex., Ch. Engr.

CALIFORNIA.—Southern Pacific Co.—The electrification of the line between Riverside and Colton, as well as the electrification and double tracking of its line between Pasadena and South Pasadena, is contemplated. W. Hood, San Francisco, Cal., is Ch. Engr.

NOVA SCOTIA.—Intercolonial Ry.—Press advices are to the effect that the Dominion Government has located the following branch lines and bids for the construction will be called in the near future:

Dartmouth to Deans, 73 miles; Sunny Brae to Guysborough and Country Harbor, 90.5 miles, and from Alba to Baddeck, on Cape Breton, 22 miles. W. B. McKenzie, Moncton, N. B., is Ch. Engr.

✚ALBERTA.—Canadian Northern Ry.—Press advices state that TOBIN & WHITE, Missoula, Mont., have been awarded the contract for a 410-mile section taking the line into the Peace River section.

ALBERTA.—Hudson Bay Ry.—Bids will be received until Aug. 1 by the Department of Railways and Canals, Ottawa, Ont., for the construction of the "Hudson Bay Ry." from Pas Mission to Thacket Portage, 185 miles. Noted June 1.

MEXICO.—Mexico North-Western Ry.—The extensive construction plans of this company, which were seriously interfered with by the recent revolution, will now be carried out, according to advices received from Dr. F. S. Pearson, chairman of the board, who has been in London for some time conferring with the owners of the property. Even during the revolutionary troubles the work of constructing the extension of the line from Nueva Casas Grandes to Madera, 121 miles, was carried on without interruption, and this division will soon be finished and in operation. It will mean the establishment of a new railroad between Juarez and Chihuahua, 470 miles. In furtherance of the plan of rounding out the system a line will be constructed from Minaca west to Tonichi, about 100 miles, with a branch line from El Tigre to the Pacific port of Agiabampo, about 125 miles. At Tonichi the branch line will connect with the Yaqui River division of the Southern Pacific. From a point about 60 miles north of Madera a branch line will be constructed northwest to Agua Pireta, opposite Douglas, Ariz., about 120 miles. B. H. Bryant, Chia, Mex., is Ch. Engr.

ELECTRIC RAILWAYS.

(✚Denotes a contract awarded.)

BOSTON, MASS.—It is announced by Pres. Mellen, of the New York, New Haven & Hartford R. R., that the old Boston, Revere Beach & Lynn narrow gage railway will be electrically equipped if the Legislature passes the B., R. B. & L. and New Haven harbor tunnel bill. B. T. Wheeler is Constr. Engr.

PROVIDENCE, R. I.—The Rhode Island Co. has been granted a franchise to extend its line on Reservoir Ave. M. H. Bronsdon, this city, is Ch. Engr.

NORTH TONAWANDA, N. Y.—The Frontier Electric Ry. Co., Buffalo, proposed last year to construct a fast service trolley line between Buffalo and Niagara Falls, has changed its plans, and according to James S. Simmons, of Niagara Falls, Vice-Pres. of the company, a three-track line through the Tonawandas from the Falls to Buffalo will be built. Two of the tracks will be for the fast service trolley line, and the third will be an electric terminal line for freight service.

CANANDAIGUA, N. Y.—The Ontario Light & Traction Co. has applied for a new franchise to extend its tracks through additional streets in Canandaigua.

LIBERTY, N. Y.—The Liberty & Jeffersonville Electric Railway will, it is reported, let contracts for a 12-mile line. William Craig, East Orange, N. J., is Pres.

LITTLE FALLS, N. Y.—The Little Falls & Johnson R. R. Co. has made application, it is reported, for a franchise to build its line over certain streets. J. L. Hess, 103 Park Ave., New York, is Pres.

WESTFIELD, N. Y.—The Buffalo & Lake Erie Traction Co. will electrify one of its lines, the Jamestown, Chautauqua & Lake Erie R. R. This division lies between Westfield and Jamestown. C. A. Alderman, 50 Clinton St., Buffalo, is Ch. Engr.

ERIE, PA.—A franchise has been granted to the Erie & Suburban R. R. Co. for the construction of a line from Tenth St. through Payne Ave. to the East Lake Road. This line will connect with the East Sixth St. line.

EVANS CITY, PA.—A bond issue of $700,000 has been made by the Allegheny & Northwestern St. Ry. Co. for the purpose, it is reported, of building a line from Evans City to Harmarville by way of Mars.

GEISTOWN, PA.—The Johnstown Traction Co. has secured rights-of-way for an extension from Walnut Grove to Geistown. G. N. Smith, Johnstown, is Ch. Engr.

WEST CHESTER, PA.—The West Chester St. Ry. Co. propose to build a line from Pequea to Mt. Nebo, which will connect with the operating line to Rawlinsville. Surveys have been completed and most of the right-of-way secured.

✚CHARLOTTE, N. C.—A contract has been awarded by the Charlotte Rapid Transit Co. to W. J. Oliver & Co., Knoxville, Tenn., for the construction of a line from the present terminus in Charlotte to the Mecklenburg Country Club.

ANDERSON, S. C.—The rights-of-way have been secured and surveys will be made for the construction of a line connecting Anderson, Abbeville and Antreville, about 30 miles. M. N. Patterson is reported interested.

DAYTON, OHIO.—The Dayton, Springfield & Xenia Southern Ry. has asked the Council Committee for a 25-year extension of its franchise and the right to build an extension of its tracks on Fifth St., from Ludlow to Main Sts., and thence north to Third St.

KENTON, OHIO.—Incorporation papers have been filed by the Wapakoneta & Kenton Traction Co., organized to build an electric line from Wapakoneta to Kenton. The route has been located and the right-of-way is said to be assured. The incorporators are Alonzo S. Roberts, Charles F. Knowlton, George W. Welding, Thomas J. Cornell and Burr Finnell, the latter president of the Kenton Commercial club.

TOLEDO, OHIO.—The Toledo Railways & Light Co. has receive a franchise to double-track Huron St., between Adams St. and Cherry St.

INDIANAPOLIS, IND.—Application for a charter has been made by the Indianapolis, Chicago & Meridian Ry. Co., Indianapolis, to build an interurban railway to connect Indianapolis, Sheridan, Flora, Monticello, Francisville, Koutz, Valparaiso, Hobart, Wheeler, Gary, Hammond, Warsaw, Columbia City and Fort Wayne and connecting with interurban lines near Hammond, Ill. The incorporators are John A. Shafer, M. J. Moreland, Chas. Reilheimer, Hoover Holton and M. B. Killer.

KOKOMO, IND.—The Directors of the Kokomo, Frankfort & Western Traction Co. are preparing to ask for bids for the construction of an interurban railway from Kokomo to Frankfort. George J. Maratt is Pres.

HAMPSHIRE, ILL.—A railway is proposed here, and it is stated plans are being considered. T. E. Getzelman, J. E. Reid, A. A. Baker and Hiram Gilkerson are interested.

STERLING, ILL.—The Sterling, Dixon & Eastern Electric Ry. Co. is planning to rehabilitate its system.

✚MUSCATINE, IOWA.—A contract for grading the section between Blue Grass and Muscatine, which includes the removal of about 300,000 cu. yds. of dirt, has been awarded to YALE & REGAN, Chicago, Ill. This is part of the line to Davenport.

DULUTH, MINN.—Application for a charter has been made in Minnesota to build a 4½-mile railway in Duluth. Charles P. Craig, J. G. Williams, A. M. Marshall, Chester A. Congdon, M. H. Alworth, John Millen, Joseph B. Cotton, D. F. Cole, I. L. Washburn, Luther Mendenhall, D. R. McDonald, W. H. Cole, A. M. Chisholm and Dr. W. H. Magie, all of Duluth, it is stated, are the incorporators.

MEXICO, MO.—A 63-mile railway, extending from Jefferson City, by way of Columbia, to Mexico, is reported under consideration by the North Missouri Central Ry. Co. A branch line of 39 miles is also contemplated to connect Columbia and Moberly.

SPRINGFIELD, MO.—The Springfield & Western R. R. Co. have made preliminary surveys, but contracts have not yet been awarded for the construction of this 90-mile electric railway to connect Springfield, Nichols, Halltown, Paris Springs, Mount Vernon, Hoberg, Freistatt, Monett, Pierce City, Wentworth, Diamond, Joplin and Springfield. A bond issue of $1,500,000 has been authorized. H. D. Mackay, Springfield, is Pres.; I. N. Smith is Vice-pres., J. I. Woodfill is Secy. and Supt., J. P. McCammon is Atty., and M. M. Hollenbeck, Springfield, is Ch. Engr.

HOUSTON, TEX.—Dr. Samuel F. George, Dayton, Ohio, is making an inspection of the section which lies within a radius of from 20 to 40 miles of Houston for the purpose of building an interurban system. Gasoline motors will be used.

WACO, TEX.—J. F. Strickland, of Dallas, Pres. of the Southern Traction Co., has submitted a proposition to the people of Waco looking to the construction of an interurban electric railway between this city and Waxahachie, about 65 miles. He asks that the people of Waco take $150,000 of stock of the company and donate the right-of-way through the county. The estimated cost of carrying out these plans, which include the taking over of the local street railway system and the construction of a bridge across the Brazos River, will be about $5,000,000.

WAXAHACHIE, TEX.—The City Council has granted the Stone-Webster Engineering Corporation, of Boston, Mass., a 50-year franchise for the construction and operation of an electric street railway line over certain streets. The local system is to be a part of the interurban electric line that the company will construct between Dallas and Waxahachie, 30 miles.

TACOMA, WASH.—Preliminary plans have been completed and right-of-way secured for the construction of a line from Tacoma to the Straits of Juan de Fuca.

RAYMOND, WASH.—A line is projected by the Gray's Harbor Ry. & Lt. Co. to connect Raymond and South Bend. Sanderson & Porter, 52 William St., New York, N. Y., are the Engrs.

HUENEME, CAL.—Application for a charter has been made in California by the Ventura Ry. Co. to build a 30-mile railway to connect Hueneme and Oxnard with branches from Oxnard to the Patterson Ranch, McGrath Ranch and Browne Ranch in Ventura County. The incorporators are J. B. Bary, San Francisco; J. A. Driffel, A. M. Dupru and R. Beck, Oxnard, Ventura County, Cal.

REDMOND CITY, CAL.—A franchise to build a line through Redwood City has been applied for by Edward F. Fitzpatrick, Redwood City. This is part of a plan to operate a railway and bay steamer line between San Francisco and Redwood City.

LODI, CAL.—The Central California Traction Co. has asked the City Trustees for a franchise to lay tracks on Sacramento St. S. L. Naphtaly, 347 Grant Ave., is Ch. Engr.

✚LOS ANGELES, CAL.—A contract has been awarded by the Pacific Electric Ry. Co. to ROBERT SHERER & CO., Los Angeles, for the construction of the 4½-mile extension from Glendale to Burbank. George E. Pillsbury, Los Angeles, is Ch. Engr.

SACRAMENTO, CAL.—With the completion of the new bridge now being built across the Sacramento River at the foot of M St., Sacramento, by the Northern Electric Ry. Co., Alaska Commercial Bldg., San Francisco, comes the extension of its line to Woodland. The company has been planning for this extension and another branch to run from Marysville to Colusa. The proposed line from Chico to Red Bluff will not be built this year.

SAN DIEGO, CAL.—The San Diego & El Cajon Valley Interurban Ry. Co. has made application to the Park Board for a franchise to lay tracks in the city park of San Diego.

SAN LUIS OBISPO, CAL.—A franchise has been applied for by Walter Gould Lincoln to build a railway in San Luis Obispo County.

TURLOCK, CAL.—The Tidewater & Southern R. R. has made application for a franchise to build a line in Turlock. The company has a similar application pending in Modesto. This is part of a plan to connect Stockton, Modesto, Atlanta, French Camp, Turlock and Merced by a railway. K. C. Brueck, Stockton, is Pres.

LIGHT AND POWER PLANTS.

*(*Denotes that this work is advertised in Engineering News.)*

EASTHAMPTON, MASS.—The Easthampton Gas Co. has applied for permission to issue $125,000 additional stock, part of which will be expended for improvements.

✚PITTSFIELD, MASS.—A contract has been awarded for 28 miles of high-tension transmission line from Pittsfield to Canaan, Conn., to F. T. LEY CO., INC., Springfield, Mass., and Waterbury, Conn., for the Berkshire St. Ry. Co. Eight miles of this line will be on steel towers. The contract includes an addition to the power-house at Pittsfield and a number of transformer stations along the line.

✚WALLINGFORD, CONN.—The contract for a one and two-story power-house, 68 x 86 ft., for the R. Wallace & Sons Mfg. Co. has been awarded to H. WALES LINES CO., Meriden, Conn. The building will be of reinforced concrete and steel construction, with steel truss roof, steel sash and artificial stone trim. Engines and boilers will be installed. W. E. Becroft is the Arch.

✚BROOKLYN, N. Y.—Bids were opened on June 12 at the office of C. B. J. Snyder, Supt. School Bldgs., N. Y. City, for installing heating and ventilating apparatus in new School 171, Borough of Brooklyn, as follows: James Curran Mfg. Co., $44,498; DANIEL J. RICE, 103 Park Ave., N. Y. City, $43,663 (awarded contract); Blake & Williams, $47,198; Thompson-Starrett Co., $61,495; E. Rutzler Co., $50,561; Raisler Htg. Co., $45,454; Philip & Paul, $43,800;

A NEW ELECTRIC RAILWAY IN CUBA.

Mr. Hugh John Reilly, Jr., Cienfuegos, Cuba, informs us that a concession has recently been granted by the Cuban Government to the Cienfuegos, Palmera & Cruces Electric Power & Ry. Co., to construct approximately 450 kilometers of railway, to build dams, impound water and generate electricity. The railway will have numerous branches to various sugar plantations on the South side of the Island and will touch at the following points: Rodas, La Isabella, Santa Clara, Caribarien, Salamanca, Placetas, Nazarene, Fomento and Zaza. Included in the concession is the right to use the public highways and condemn private property where necessary. The concession further grants the use of all public waters on the Hanabanilla and Negros Rivers, where a hydro-electric plant will be erected to furnish motive power for the railway. No duties are to be levied on machinery or supplies used in the operation or construction of this road. The President of the company, Mr. Bruno Diaz, is a tobacco merchant of Havana.

Mr. Reilly, General Manager of the company, is now in New York, and will probably stay here until the middle of July. The object of his visit is to secure quotations and supplies on the various materials to be used in the construction of this road, as the work will be started at once. The company will purchase the contractors' equipment and contract for the labor. The railroad will be of standard gage to be used for freight and passenger. It will probably be five years in building. The water power development will include a concrete dam 1,000 ft. long, 75 ft. high with a storage capacity of 100,000,000,000 gals.

Catalogs of railway material, contractors' supplies and engineering equipment are wanted and may be addressed to Hugh John Reilly, Jr., Cienfuegos, Cuba.

Frank Dobson Co., $45,590; William J. Olvany, $46,980, all of New York, N. Y.

Bids will be received by C. B. J. Snyder, Supt. School Bldgs., Park Ave. and 59th St., New York City, until June 26, for installing electric equipment in School 171.

NEW YORK, N. Y.—Bids were received on June 12 by the Supervising Architect of the Treasury, Washington, for the installation of electrically driven pumps in the post-office at New York as follows: International Steam Pump Co., New York, $12,393; Evans-Almirall Co., New York, $11,681; Frank Dobson Co., New York, $18,709; Commercial Construction Co., New York, $13,829.

PERRYSBURG, N. Y.—Bids will be received by Francis G. Ward, Comr., Dept. of Public Works, until July 1 for furnishing and erecting power plant equipment for the J. N. Adam Memorial Hospital at Perrysburg.

BRIDGETON, N. J.—Bids will be received by the Board of Education, at the City Hall, Bridgeton, N. J., June 26, at 8 p. m., for the installation of a steam, hot blast heating and ventilating apparatus to be installed in the Pearl St. School. Plans and specifications may be seen at the office of the Superintendent, Bank Street Bldg., Brighton, from 9 a. m. until 12 M. or at the office of the Robert Scott Engineering & Construction Co., 1716 Ludlow St., Philadelphia, Pa.

✚SCRANTON, PA.—A contract for the general improvements planned for the plant owned by the Scranton Electric Co. in this city has been let to the NEW ENGLAND ENGINEERING CO., New York, N. Y. The principal feature of the improvements are installation of one 5,000-KW. turbine and one of 2,500 KW. capacity, both costing about $115,000, at the company's suburban plant; installation of complete condenser system, rebuilding of the plant and making it fireproof throughout and the laying of railroad lines for the carrying of fuel from culm piles to the plant. Sub-contracts will be let.

✚BALTIMORE, MD.—The Consolidated Gas Electric Light & Power Co. will build a large addition to its plant at the foot of Leadenhall St., facing Spring Garden. It will cost $100,000. The FIDELITY & CONSTRUCTION CO. has been awarded the contract for the concrete foundation. Engineers of the company are now drawing the plans, and as soon as they are finished contractors will be invited to submit bids.

BALTIMORE, MD.—The contract for the erection of a storage battery station on McClellan Alley, near Baltimore St., for the Consolidated Gas, Electric Light & Power Co., has been awarded to J. HENRY MILLER CO., Inc. Brick and stone will be used and will cost including the equipment $300,000.

EASTON, MD.—The Easton Light & Fuel Co. will erect a brick addition to its plant.

GEORGETOWN (Washington post-office), D. C.—The Georgetown Gas Light Co. is contemplating making a bond issue of $1,000,000, part of which will be used for the construction of a new gas plant.

LEXINGTON, VA.—Moses Bros. will construct concrete dam to develop 125 HP., 13 ft. high, 200 ft. long. The contract will probably be let in the near future.

✚OCCOQUAN, VA.—A contract has been awarded to the CARROLL ELECTRIC CO., at $6,790, for the installation of one 160-HP. American ball engine, one 125-KVA. Fort Wayne, 3-phase, 60-cycle, direct-connected alternator with exciter on same shaft and base, at the Work House, District of Columbia. The National Electric Supply Co. submitted the only other bid of $9,260.

✚RICHMOND, VA.—A contract for installing a heating and ventilating system in the U. S. public building at Richmond, Va., has been awarded to the CAMDEN HEATING CO., Camden, N. J., at $21,363.

WELDON, N. C.—Reports state that the Frank J. Gould interests are preparing plans to develop about 25,000 HP. on the Roanoke River for transmission purposes, also to operate the southernmost link of the Gould electric system from Norfolk to Baltimore, by way of Richmond and Washington. W. C. Whitney, Pres. of the newly organized Virginia & Carolina Power Co., is preparing, it is said, to open offices at Weldon and to begin active operation. The development is one of the projects arising from the merger of the Norfolk & Portsmouth Traction Co. with the Virginia Ry. & Power Co., of Richmond. See item under Electric Railways, headed Petersburg, Va., in the issue of May 4.

COLQUITT, GA.—Plans are being prepared by J. B. McCrary Co., 1311 Empire Bldg., Atlanta, Ga., for a water-works extension to cost $7,500. A 50 × 50-ft. brick building and 2,000-gal. reservoir will be built. P. E. Wilkin is Mayor. Noted May 11.

✚JACKSONVILLE, FLA.—A contract for a reinforced-concrete chimney for the municipal electric light plant has been awarded to the GENERAL CONCRETE CONSTRUCTION CO. at $6,965, and the VIRGINIA BRIDGE & IRON CO. for cleaning, painting, structural steel work at $3.40 per 100 lbs.

COLUMBUS, OHIO.—Bids will be received by the Board of County Commissioners of Franklin County, Ohio, until July 12, for a new heating system in the court-house. Fred W. Elliott and W. H. Tremaine are the Archs.

HARTWELL, OHIO.—Bids will be received until June 27 by Edward P. Durr, Secy. Dept. Pub. Safety, Cincinnati, for additional steam and electrical equipment for power plant and also switchboard and wiring at the City Infirmary at Hartwell.

STEUBENVILLE, OHIO.—Bids will be received by W. S. McCausen, Clk. Bd. of Education, until 12 M., June 26, for new heating and ventilating systems in the Lincoln Ave. school building and in the Garfield school building situated on Lincoln Ave., also in the Garfield school building at the corner of Fifth St. and Madison Ave. Plans and specifications may be seen at the office of the Clerk, and at the office of R. J. Peterson, Arch., No. 511 National Exchange Bank Bldg., Steubenville.

BEAUMONT, OHIO.—The Central Ohio Power Co. is about to be formed to construct an electric power plant at Beaumont. C. W. Humphrey, Chicago, Ill., is the Arch. Principal office will probably be at Columbus, Ohio. J. J. Henry, Denver, Colo., is said to be interested.

TOLEDO, OHIO.—Director Cowell, of the Bd. of Public Service has prepared plans, it is reported, for the construction of a power station for the new high pressure water system fire service.

ELKHART, IND.—The Indiana & Muncie Electric Co. is preparing to ask for bids for the rebuilding of the dam in St. Joseph River and the erection of a power-house.

SANDUSKY, MICH.—Bids will be received by Sanford L. Utley, County Clk., until June 26 for wiring court-house for electric lights and for lavatories and plumbing.

MINOCQUA, WIS.—Bids will be received until June 23 by W. H. Fisher, Chn. of the Town Bd., for constructing an electric light plant.

MILWAUKEE, WIS.—The Finance Committee of the City Council has recommended an appropriation of $6,000 to be used for preliminary engineering work on the municipal light plant. An issue of $150,000 bonds has been legalized for the construction of the plant.

MENASHA, WIS.—The Common Council has voted to contract with the Northern Hydro-Electric Co., Oshkosh, Wis., for current to supply the municipal commercial lighting system. It is proposed to issue bonds to cover the cost of transmission lines and service connections. F. H. Josslyn, Oshkosh, is Pres.

POCAHONTAS, IOWA.—Bids will be received by George Schneiders, City Clk., until June 27 for the construction of an electric light plant. Oscar Claussen, National German-American Bank Bldg., St. Paul, Minn., is Engr.

CHAMBERLAIN, S. DAK.—Contracts will be let about June 30, it is stated, for the construction of the proposed electric light plant to be built by the Electric Light Co., of which J. H. Kennedy is Secy. The cost is estimated at about $5,000.

✚HOT SPRINGS, ARK.—The contract for the construction of an addition to the power house at the Army and Navy General Hospital for which bids were opened June 12, has been awarded to M. H. JODD, Hot Springs, at $8,895. J. D. Brook submitted a bid of $9,691.

HELENA, ARK.—Plans and specifications have been completed for a power-house and equipment for Helena Gas & Electric Co., Helena, Ark. Bids are being asked for at the present time. The Scofield Engineering Co., Consult. Engrs., Arcade Bldg., Philadelphia, Pa., prepared the plans.

✚FORT BLISS, TEX.—A contract has been awarded to B. P. DUBINSKI, El Paso, for inside wiring for electric lighting at Fort Bliss. The WESTINGHOUSE ELECTRIC CO. secured contract for meters and transformers, and F. W. NEWBERRY ELECTRIC CO., St. Louis, was awarded the contract for outside wiring. The total cost will be about $23,000.

AUSTIN, TEX.—After an agitation covering a period of several months two propositions were formally submitted to the City Council on June 1 for the reconstruction of the Colorado River dam here and the installation of a hydroelectric plant. Cogan Co., New York, offers to build a hollow concrete dam 60 ft. above low water, utilizing the part of the old dam that remains intact. It agrees to install four 1,000-HP. generators; four 1,000-HP. turbines; to construct a 10,000,000-gal. reservoir near the site of the dam and install two 6,000,000-gal. a day centrifugal pumps to keep the reservoir filled. The company reserves the right to use all the salvage left from the old plant. It guarantees a minimum of 1,000-HP. per hour of electrical energy, all power generated to belong to the city. It agrees to operate the plant for a period of 20 years and guarantees to repair all damages that may occur from time to time. The cost of the works is to be $1,250,000. The Hydraulic Properties Co., through its president, William D. Johnson, Hartford, Conn., proposes to build a dam of hollow concrete construction, to be not less than 65 ft. high. It will begin work within 60 days from the granting of the franchise and finish the dam within two years. The company agrees to operate the plant for a term of 26 years and to indemnify the city for all loss by leakage, etc., unless caused by earthquake. In case of breakage of the dam the city is to be absolved from further payments. The company agrees to install three turbines, aggregating 6,000 HP.; to construct a reservoir of 10,000,000 gal. capacity and equip with two pumps of 6,000,000 gals. daily capacity, and to maintain a constant supply of not less than 5,000,000 gals., in the reservoir. It will furnish 450,000-KW. hours of energy monthly to the city without cost; all above that to be the property of the company, but it is stipulated that it shall not dispose of it outside of Austin. The works under this proposition are to cost $1,400,000, which is to be paid by the city.

✚BALLINGER, TEX.—The contract for the erection of a reinforced-concrete power-house building here has been let by the city to the SHERWOOD CONCRETE & PAVING CO., at $5,950. The plant will be equipped with modern machinery.

WAXAHACHIE, TEX.—The Waxahachie Gas Co. has been formed here with a capital stock of $125,000 for the purpose of installing a gas plant and distributing system. The incorporators are Roy Conally, E. H. Griffin, of Waxahachie; Raymond St. John, Herbert St. John, William Utley and Oliver Lau, of Detroit, Mich.

CUSTER, OKLA.—See item under Water Supply—Irrigation.

GUNNISON, COLO.—Bids will be received about July 1 for the purchase of $90,000 bonds, to be used for the construction of a water-power plant to furnish water and power for domestic and commercial purposes. M. J. Schmitz is Town Clk.

✚BOISE, IDAHO.—The Secretary of the Interior, Washington, D. C., has awarded a contract to the STANDARD UNDERGROUND CABLE CO., Perth Amboy, N. J., for furnishing copper wire for use in connection with the Boise irrigation project, Idaho, at $56,197.

RIVERDALE (Ogden post-office), UTAH.—The Davis & Weber Counties Canal Co., it is reported, will build an electric power station near Riverdale, 1½ miles east of its canal terminus.

DEETH, NEV.—The Board of Commissioners has granted a franchise to build and operate an electric lighting system to the Deeth Mercantile Co.

NORTH YAKIMA, WASH.—A vote will be taken on July 1 for the purpose of deciding the advisability of a $300,000 bond issue to be used for the erection of an electric plant. H. J. Doolittle is City Engr.

LIVE OAK, CAL.—Metz & Berg have been granted permission to build an electric light system.

✚LOS ANGELES, CAL.—A contract for the construction of a power-house building at the County farm has been awarded to the ALTA PLANING MILL CO., at $8,971 and a contract for installing equipment, including laundry equipment, steam cooking apparatus, ice plant, engine, generator set, kitchen apparatus to W. D. NEWELL, 218 W. First St., at $22,859.

LOS ANGELES, CAL.—Press reports state that plans for the erection of at least one great power plant capable of transmitting 30,000 HP. to Los Angeles are being hurried to completion by the Public Service Comn. and E. F. Scattergood, electrical engineer for the aqueduct, so as to be ready for immediate action as soon as the money from the $3,500,000 power bonds has been obtained. There are now two power plants doing service for the Aqueduct, and these two will be a part of the general power system. One is on Division Creek, near Independence. The other is on Cottonwood Creek, opposite Owens Lake. The plans of the commission include another small one on Cottonwood Creek, the three to have an aggregate of 6,000 HP. There are to be four big plants, and the entire system will be capable of handling 120,000 HP. The present plans call for a plant known as the San Fernando plant, which will be 24 miles from Los Angeles, about 3 miles north of San Fernando, along the aqueduct.

LOS ANGELES, CAL.—A bond issue of $3,500,000 has been legalized to be used for the purpose of building and maintaining its local light, heat and power plant.

SANTA BARBARA, CAL.—The Santa Barbara Gas & Electric Co. is considering a bond issue to be used to make proposed improvements.

✚DESCHAMBAULT, QUE.—The Deschambault Electric Light Co. has awarded to the AMBURSEN HYDRAULIC CONSTRUCTION CO., LTD. a contract to build a reinforced-concrete arch dam 65 ft. high, which is in a box canyon 45 ft. wide at the base and 100 ft. wide at the top.

HAMILTON, ONT.—A municipal lighting plant is proposed. An estimate of $500,000 has been made by E. I. Sifton, Engr., London, Ont.

✚TORONTO, ONT.—A contract for a lighting and heating plant for the new Toronto General Hospital has been awarded to L. K. COMSTOCK CO., New York, N. Y., at $124,910.

✚MELVILLE, SASK.—The Council is reported to have awarded contract for water and light improvement as follows: To KILMER, PULLEN & BURNHAM, Toronto, Ont., agents for General Electric Co., for generators, switchboards, exciters, pumps, motors and compressors, installed complete, $7,438; the NORTHERN ELECTRICAL & MFG. CO., LTD., Winnipeg, Man., for street lighting system, $832, and for poles and all line material, $2,947, and WILLIAM BROSS & SONS, Minneapolis, compression tanks, $2,018; McAVITY & SONS, St. Johns, N. B., for hydrants and STANLEY-BROCK CO., Toronto, Ont., for mains and castings.

SASKATOON, SASK.—A bond issue of $25,000 has been voted by the citizens for electric light purposes.

STETTLER, ALTA.—Bids will be received until July 3 by David Mitchell, Town Comr., for one 125-K. V. A. generator exciter and switchboard, one tandem compound steam engine, one 72-in. × 16-ft. boiler and stack; also for the construction of a transmission line.

PRINCE RUPERT, B. C.—The Tsimpsian Light & Power Co. and the Continental Power Co., Ltd., and the water on the Khtada and Fells Rivers, which are branches of the Skeena River, have been taken over by the Prince Rupert Hydroelectric Co. The water powers are located about 42 miles from Prince Rupert and are capable of developing from 25,000 to 30,000 HP., of which about 1,500 HP. will be developed at present. Charles H. Cahan, H. A. Lovett, R. F. Hayward and L. A. Hart, Consult. Engr. of McGill University, and others, of Montreal, Que., are interested.

BRIDGES.

(✚Denotes a contract awarded.)

NEW HAVEN, CONN.—Plans have been prepared by Frederick Law Olmstead, Arch., Boston, Mass., for a stone bridge at Edgewood Park. The plans call for a stone arch bridge, rough-hewed, in old English style, to cost about $7,000.

NEW YORK, N. Y.—The Board of Estimate has approved a plan for constructing a viaduct in Park Ave. The structure will be of stone and steel, and will extend from a point between 40th and 41st Sts. to the central part of the new station and pass around the Grand Central Station.

ALBANY, N. Y.—Bids will [illegible] by C. E. Treman, Supt. Pub. Wks. [illegible] noon, July 25, on Barge Canal Contr[illegible] Nos. 86 and 88. The work is as follo[illegible] Contract 86 provides for the reconstruc[illegible] of a portion of the bridge between th[illegible] of Canajoharie and Palatine; and [illegible] 88 provides for the reconstruction [illegible] of the bridge crossing the Hud[illegible] at Schuylerville. John A. Bensel i[illegible] Engr.

CAMDEN, N. J.—Plans are be[illegible] pared for a steel bridge to replac[illegible] [illegible] structure over the tracks of [illegible] [illegible]vania R. R. at 27th St.

PLAINFIELD, N. J.—Plans ha[illegible] prepared and submitted for appr[illegible] the Freeholders of Union and Som[illegible] counties for the iron and steel brid[illegible] it is proposed to erect on Washing[illegible] at a cost of $6,000.

HARRISBURG, PA.—Bids will [illegible] ved by the County Commissioners [illegible] noon, July 1, for repairing two brid[illegible] the county, one at Middletown, Pa., [illegible] Swatara Creek, and one about one [illegible] north of Elizabethville, over Wiconisco [illegible] D. F. Lebo is Clk. Comrs.

INDIANA, PA.—Bids will be r[illegible] by the Board of Commissioners [illegible] Indiana County, until 11 a. m., June 29, f[illegible] construction of bridges, as follows [illegible] concrete bridge over Little Yellow Creek, [illegible] Washvalley Township, 40 ft. long and 14 [illegible] wide; concrete bridge at Hooverhurst, [illegible] Montgomery Township, 40 ft. long a[illegible] 14 ft. wide; concrete girder bridge o[illegible] Plum Creek in Washington Township, 4[illegible] long and 14 ft. wide, known as Bell's S[illegible]house Bridge. Walter H. Ayers is Clk.

UNIONTOWN, PA.—The Fayette County Grand Jury has recommended the building of a joint county bridge over the Monongahela River, between South and West Brownsville, on the site of the old bridge.

WILMINGTON, DEL.—Bids for building the Roseville bridge over White Clay Creek and the Long bridge over the Smyrna River have been received by the Levy Court, as follows: Roseville bridge, Nelson-Meredith Co., $11,180; Joseph Anderson, $14,900; Charles T. King & Co., Philadelphia, Pa., $14,000; L. B. Jacobs, Newark, N. J., $14,357; J. J. Williams & Co., Chester, Pa., $19,955; Luten Bridge Co., York, Pa., $13,420. Long bridge, Joseph Anderson, $4,980; Frank R. Jones, $4,648.

✚TOWSON, MD.—The Baltimore County Highway Commission has awarded a contract to the YORK BRIDGE CO., York, Pa., to construct a drawbridge on Eastern Ave., over Back River. Hy. G. Shirley is County Roads Engr.

✚PETERSBURG, VA.—Matoaca Bridge Co., John A. Seay, Pres., has awarded a contract to the VIRGINIA BRIDGE CO., Roanoke, Va., to construct a bridge across Appomattox River, connecting Matoaca, in Chesterfield County, with Ferndale, in Dinwiddie County. The structure will be of steel construction, two spans, 250 ft. long and 16 ft. wide.

NATIONAL SOLDIERS' HOME, VA.—Bids will be received by John T. Hume, Treas., until 1.30 p. m., July 6, for constructing a concrete bridge over John's Creek.

TAMPA, FLA.—Bids will soon be asked by the Board of Public Works for constructing a Bascule bridge, 80 ft. wide, over Hillsborough River, at Lafayette St.

✚FLORENCE, ALA.—The County Commissioners have awarded a contract to AUSTIN BROS., Atlanta, Ga., for constructing a steel bridge across Elk River, connecting the counties of Lauderdale and Limestone. The bridge will cost $20,000.

KNOXVILLE, TENN.—Bids will be received by the Board of Public Road Commission until 9 a. m., June 24, for rebuilding and repairing timber bridges on the pike roads of Knox County. G. W. Pearsoll is Engr.

ASHTABULA, OHIO.—Plans have been prepared and referred to the War Department for constructing a bridge estimated at $200,000 to replace the old swing bridge.

CINCINNATI, OHIO.—Bids will be received by the Commissioners of Hamilton County until noon, July 7, for constructing a concrete bridge at the intersection of German and Compton Roads, in Springfield Township. Fred Dreihs is Clk.

CLEVELAND, OHIO.—Bids will be received by the Board of Commisisoners of Cuyahoga County, until 11 a. m., July 12, for the construction of a concrete bridge at North Woodland Road, Cleveland Heights Township, and a retaining wall, Irish Road, Olmsted Township, in accordance with the form of contract and specifications to be furnished by Frank R. Lander, County Surveyor. John F. Goldenbogen is Clk.

COLUMBUS, OHIO.—Bids will be received by the County Commissioners until July 12 for constructing a bridge and approaches on the County Road, about one mile southeast of Briggsdale.

COLUMBUS, IND.—Bids will be received by the Commissioners of Bartholomew County, until July 5, for the construction of several bridges. P. J. Sater is County Audr.

✚INDIANAPOLIS, IND.—We are officially advised that the contract for constructing a bridge was awarded, on June 12, to CLEARY & KUEST, Baldwin Block, Indianapolis, at $69,967. Paul Julian is County Engr.

ROCKVILLE, IND.—Bids will be received by the Commissioners of Parke County until 1.30 p. m., July 5, for construction and repair of certain bridges. J. E. Elder is County Audr.

GREEN BAY, WIS.—Bids will be received at the office of the County Clerk, until June 24, for constructing a bridge in the Town of Green Bay. Philip A. Haevers is Chn. County Comrs. Desire Ferrier is Chn. Town Bd. of Town of Green Bay.

✚OCONTO, WIS.—The Chicago & Northwestern R. R. Co. has awarded the contract for the construction of two concrete bridges,

one in Oconoto County, and the other in Oconto County, to J. YOUNG & BROS., Oconto, at $22,500.

ALBERT LEA, MINN.—We are officially advised that this city will construct a reinforced concrete bridge and dam, 80-ft. span, 30-ft. roadway and two 6-ft. walks, at an approximate cost of $20,000. William Barnes, City Engr. Noted on June 15.

MANKATO, MINN.—Bids will be received by Oscar Weaver, County Audr., until 2 p. m., July 17, for constructing two bridges over County Ditch No. 25.

MANHATTAN, KAN.—Bids will be received by the State Engineer, Manhattan, until noon, July 3, for removing and placing a 175-ft. steel bridge on new concrete abutments, according to plans on file with George R. Millard, County Clk., Leoti, Kan.; and until noon, July 5, for constructing a bridge in Public County, as follows: three reinforced concrete flat top spans, 27 ft. 6 ins., 200 ft. over all, with an 18-ft. clear roadway; height of piers and abutments, 14 to 22 ft.; estimated amount of concrete—substructure, 255 cu. yds.; superstructure, 104.55 cu. yds.; estimated weight of steel reinforcement, 17,451 lbs. Plans are on file with Henry Douglas, County Clk.

TOPEKA, KAN.—Bids will be received by the Board of County Commissioners of Shawnee County, at the office of the County Clerk, until noon, June 23, for furnishing and erecting one 120-ft. steel bridge across Wakarusa Creek, near Wakarusa, according to plans A and B and specifications of same on file in the office of the County Clerk.

WICHITA, KAN.—The City of Wichita and the Wichita Ry. Terminal Association will construct a viaduct at Kellog St. It will be of reinforced concrete, 26-ft. roadway, with one 5-ft. walk, and will be approximately 1,000 ft. long. The estimated cost is $210,000, and the city is to bear one-third and the railway two-thirds. Bert Wells is City Engr.

VALLEY CITY, N. DAK.—Bids, including plans and specifications, will be received by the City Auditor until July 3, for constructing a steel truss footbridge over the Sheyenne River, to have one span 100 ft. long and 6 ft. wide, in the clear, with two 20-ft. steel approaches. C. A. Myhre is City Engr.

RICHMOND, TEX.—Bids will be received by Geo. C. Baker, Jr., County Judge, until 2 p. m., July 10, for the erection of two steel highway bridges across the Brazos River, one near Thompson, Texas, and the other near Orchard, Texas. Copies of the plans and specifications may be seen at the office of the County Clerk, Richmond.

PORTLAND, ORE.—We are officially advised that the proposition to construct a Greater South Portland Bridge, to cost $1,400,000, has been defeated. J. W. Morris is City Engr.

SAN JOSE, CAL.—Bids will be received by the County Clerk until 11 a. m., July 5, for a reinforced concrete addition to the abutments of the Ford Road bridge over the Coyote Creek, and a bridge over Campbell Creek, on the Coffin Road.

SANTA BARBARA, CAL.—Bids will be received until July 5, by the Board of Supervisors of Santa Barbara County, Frank Flournoy, County Engr., for the construction of a bridge to be erected across the Santa Inez River at San Lucas, in Santa Barbara County. The structure will be of the Thomas patent, three hinge reinforced concrete construction. There will be five arches with a span of 126 ft. each. The total length will be 693 ft., with a roadway of 18 ft. The estimated cost is $50,000.

LINDSAY, ONT.—Bids will be received by J. R. McNeillie, Clk. Victoria County, until July 5, for the following work: Two steel spans with concrete floors, each 60 ft. over all, 14-ft. roadway between curbs, to carry a 10-ton roller at least, and to be approved by the Engineer of Highways of the Department of Public Works of Ontario; one 120-ft. span, same width and relative strength; three concrete piers to receive two 60-ft. spans; two concrete piers to receive one 120-ft. span; stone filling of approaches. Plans and specifications may be seen at the office of the County Clerk, Lindsay and Whitby.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

✚MIDDLEBURY, VT.—WILLIAM S. HAMILL CO., 18-20 State St., Troy, N. Y., have been awarded general contract for erection of new $35,000 high school building at Middlebury, Vt., work to be started soon.

BOSTON, MASS.—It is reported that plans have been drawn for a large hotel building to be erected at West Upton by William Knowlton & Sons, hat manufacturers, for the accommodation of employees. The site is opposite the factory buildings. The proposed hotel will contain several hundred rooms, a large dining-room, reception rooms, parlors and office.

BOSTON, MASS.—The plans and specifications for the large building to be used as a department store by Wm. Filene & Sons will soon be made public for bids, the intention is to permit any responsible bidder to bid. Amory Eliot, 131 State St., is the Arch.

BOSTON, MASS.—A 60-apartment block, to cost $150,000, is about to be built at the corner of Haviland and Bickerstaff Sts. for Dr. G. L. Haganburger, to be of brick, five stories, 78 x 98 ft. John J. Smith is Arch.

A moving-picture theater is to be erected on Dudley St. for John Williams, to be 46 x 100 ft., brick; capacity, 600. Edward I. Wilson is Arch.

✚An addition to the Henry Siegel Co. Bldg. is about to be built, to be of brick and stone. Bigelow & Wadsworth are the Archs., and contract has been awarded to ARTHUR C. WHITNEY, 18 P. O. Sq., Boston.

CAMBRIDGE, MASS.—A sub-station, to cost $30,000, is to be built by the Boston Elevated R. R. on Broadway. Stone & Webster, Boston, are the Engrs.

✚BROOKLINE, MASS.—The contract for the new sub-station for the Boston Elevated R. R. has been given to the STONE & WEBSTER ENGINEERING CO., Boston. Peabody & Stearns, Boston, are the Archs.

✚HAVERHILL, MASS.—The contract for the new A. O. of H. headquarters has been awarded to JOHN H. ROCHE, to be of brick, four stories, 50 x 80 ft., and to cost $45,000. McFarland & Colby, Boston, are the Archs.

✚HOLYOKE, MASS.—JOHN J. O'NEILL, 137 East St., Holyoke, has been awarded the contract for the new Elmwood school to be erected on Northampton St. E. H. FREIDRICH has the contract for the plumbing. The building is to be of brick, three stories high, 150 x 80 ft., and will contain 16 rooms. W. B. Reid is Arch.

REVERE, MASS.—A $50,000 block is to be built on Broadway, to be three stories, 190 ft. long, stores and apartments. J. Marsden Parks, Boston, is the Arch.

✚QUINCY, MASS.—The contract for a new schoolhouse has been awarded to DENNIS F. CROWLEY, to be of brick and stone, two stories, to cost $45,000. McLaughlin & Mulcahy are the Archs.

QUINCY, MASS.—Bids will be received by Norfolk County Comrs., at Dedham, Mass., until June 29 for constructing, heating, ventilating, plumbing and wiring of a courthouse. Plans to be seen at office of Arch., Wm. Chapman, 15 Ashburton Pl., Boston; John F. Merrill is Chn. of County Comrs.

SPRINGFIELD, MASS.—Bruno Wozny is drawing plans for a new store and apartment block to be erected on Main St., Indian Orchard, by the Indian Orchard & Ludlow Co-operative Association. The building will be 48 x 72 ft., four stories high, of brick, with brownstone trim.

Plans are being figured for the new gymnasium building to be erected on Westfield Road, West Springfield, for the Mittineague Y. M. C. A. It will be 40 x 100 ft., one story and basement, built of pressed brick, with terra cotta or limestone trim. There will be iron beams and trusses, steam, a tar and gravel roof, electric lights, shower baths, bowling alleys. F. F. Elvin is Arch. W. H. Sanburn is Chn. of Bldg. Com.

BRISTOL, CONN.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until July 24 for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures) of the U. S. post-office at Bristol, Conn. Drawings and specifications may be obtained from the custodian of site at Bristol, Conn., or at the discretion of the Superv. Arch.

✚WATERBURY, CONN.—J. F. BUTTNER, general contractor for the addition to the Crosby High School, has awarded the subcontract for the mason work to JOHN W. GAFFNEY & SON, of this city. The building will be 30 x 96 ft., three stories and basement, of light pressed brick with limestone trim. Theodore B. Peck, 65 Bank St., is the Arch. Noted June 1.

✚Contract for the erection of a five-story store and apartment block of brick with limestone trim, 52 x 55 ft. at 68 South Elm St., for Angelo Pace have been awarded to MATHIAS LARIVIERE for the carpenter work, and the GEORGE S. CHATFIELD CO., for the mason work. C. Jerome Bailey, 63 Bank St., is the Arch. Noted June 1.

✚HARTFORD, CONN.—The general contract for the new store and tenement building at Park and Zion Sts., for Kaplan Bros., has been awarded to JOSEPH M. D'ESOPO, Hartford. The structure will be of brick, with stone trim, four stories high, 35 x 80 ft. T. C. Walz, Hartford, is the Arch. Noted on May 25.

Estimates are now being received for the construction of the new bank and office building at the corner of Main and Asylum Sts. for the Hartford National Bank. The building will be 57 x 100 ft., ten stories high, first story granite and remainder light-colored stone or brick on a steel frame. Donn Barber, of New York City, is the Arch. Noted on March 16.

NEW BRITAIN, CONN.—W. P. Crabtree is preparing plans for a 3-story business block, 33 x 117 ft., to be erected on Main St., adjoining the New Britain National Bank Bldg., for M. C. Le Witt. The building will have a front of light-colored pressed brick, with limestone trim.

✚NEW HAVEN, CONN.—The contract for installing nine elevators in the new Hotel Taft has been awarded to the OTIS ELEVATOR CO., 17 Battery Pl., New York, by the general contractors, V. J. HEDDEN & SONS, 1 Madison Ave., New York. F. M. Andrews, 22 Metropolitan Bldg., New York, is the Arch.

✚POMPET, CONN.—The contract for the $120,000 residence of Mrs. Randolph Clark has been awarded to the J. W. BISHOP CO., Worcester, Mass. William C. Chase, of Boston, is the Arch.

✚STAMFORD, CONN.—Contracts for two 4-story brick blocks on Bank St. for Thomas Bland and the Shea & Sullivan Co. have been awarded as follows: cut stone, A. E. BONNTY, Stamford; lumber, the GETMAN & JUDD CO., Stamford; steel work, the PRINCE IRON CO., New York; terra cotta, the ATLANTIC TERRA COTTA CO., of New York. The buildings will each be 50 x 100 ft. Nelson E. Emmons is the Arch. Noted on March 23.

✚STAFFORD SPRINGS, CONN.—From plans of William D. Johnson, Inc., Hartford, Conn., contracts for the new $50,000 hospital which will be presented to the town by Cyril Johnson, have been awarded as follows: Mason work, J. H. JONES, Willimantic, Conn.; carpenter work, W. D. GRAVES, Stafford, Conn.; steel work, J. E. FARMER, New Haven, Conn.; concrete block, the ECONOMY CONCRETE STONE CO., New Haven, Conn.; local granite trim, A. W. KINGSBURY, Stafford Springs. The building will be of red brick, 80 x 41 ft., three stories high.

WALLINGFORD, CONN.—The general contract for the erection of the new building for the Choate School, of which George C. St. John is head master, has been awarded to LEWIS A. MILLER, Meriden, Conn. The plans are by Francis Waterman, of Hartford, and call for a 3-story brick building, 37 x 130 ft., containing recitation rooms, dormitory and assembly hall, locker rooms and shower baths.

WEST HARTFORD, CONN.—From plans of E. T. Hapgood, Hartford, Conn., ROBERT PORTENS has been awarded the contract for the carpenter work, and the J. H. GROZIER CO. the mason work on the new residence at Mountain St. and the Boulevard, for Charles E. Shepard. The residence will be 40 x 100 ft., two stories high, of Colonial design.

MIDDLEPORT, N. Y.—The Board of Education will receive bids until June 22 for the construction of a union high school. Plans were prepared by Martin C. Miller, 620 Mutual Life Bldg., Buffalo, N. Y.

✚NEW YORK, N. Y.—We are officially informed that the contract has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, for six warehouses to be four stories in height, four of the warehouses 53.3 x 200.8 ft. and two 75 x 206.8 ft., for the New York Dock Co. J. W. Galbreath is Engr. Work to go ahead at once.

✚We are officially informed that the TURNER CONSTRUCTION CO., 11 Broadway, New York, has been awarded the contract for the erection of a 4-story building, 189 x 81 ft., reinforced concrete throughout, to be erected at 176th St. near Prospect Ave., Borough of Bronx, for the Biograph Co., 11 East 14th St. J. J. Kennedy is Engr. Work to go ahead at once.

✚The contract has been awarded to JOHN KENNEDY & CO., 1133 Broadway, for the construction of a 12-story loft building at 159-163 West 25th St. The Midwest Realty Co., 1133 Broadway, is owner. The cost is about $300,000.

Plans are being prepared by M. W. Del Gaudio, 1910 Webster Ave., for the construction of a 5-story tenement building on the north side of 187th St., west of Belmont Ave. The Terrace Building Co., 116 West 190th St., is owner. The estimated cost is $50,000.

Plans are being prepared by Louis Berger & Co., Myrtle and Cypress Aves., for the construction of a 3-story brick tenement on the west side of Woodbine St. August Bauer, 240 St. Nicholas Ave., Brooklyn, is owner. The estimated cost is $72,000.

Plans have been prepared by William A. Boring, 32 Broadway, for the construction of a 3-story fireproof garage at 8-14 Clinton St. The Clinton Garage Co. is the owner. The estimated cost is $75,000.

Plans are being prepared by Rouse & Goldstone, 38 West 32d St., for the construction of a 9-story apartment building. The Allendale Building Co., 135 Broadway, is owner. The building will be located at 138 to 144 West 71st St. The estimated cost is $300,000.

Plans have been filed for remodeling the 8-story and basement St. Catherine apartment house at the southeast corner of Madison Ave. and 52d St., into physicians' offices. The interior will be entirely changed, and a new entrance built, which will be ornamented with four Ionic columns, and will be known as the Lyman building. Henry D. Lyman of the Hotel Ansonia is the owner. Fred A. Wright is the Arch. The cost is about $40,000.

NEW YORK, N. Y.—Preliminary plans are being prepared by A. D. Hindale, Sixth Ave., Brooklyn, for the construction of a brick and steel hotel at Surf Ave. and Ninth St., Coney Island. The cost is about $70,000.

✚The general contract has been awarded to JOHN DEEVES & BRO., 103 Park Ave., for the construction of a 4-story fireproof settlement house at 34-40 Charlton St. The New York City Mission and Tract Society, 287 Fourth Ave., is owner. The approximate cost is $125,000.

Three 5-story tenement buildings will be erected by the Rountree Realty Construction Co., 609 Fifth St., Brooklyn, on the northeast corner of Freeman St. and Stebbins Ave. The cost is about $140,000. Plans were prepared by Moore & Landsiedel, Third Ave.

Plans have been prepared by Holabird & Roach, 98 Jackson Blvd., Chicago, Ill., for the construction of a building for Mecca Temple which now occupies quarters at Madison Square Garden. William J. Matthews is Chn. Bldg. Com. The approximate cost is $2,500,000.

Plans have been prepared by Herman Lee Meader, 178 Fifth Ave., for the construction of a hotel on the northeast corner of Seventh Ave. and 37th St. The land has been acquired by a syndicate represented by L. W. Flannlacher, of L. M. Reinach & Co. and Preston S. Faust for a consideration said to be $1,250,000. The cost of the proposed hotel is about $4,000,000.

A 20-story mercantile building will be constructed by Henry Corn, 341 Fifth Ave., at Broadway and 21st St. Maynicke & Franke, 25 East 26th St., are the Archs.

✚Plans have been prepared by Renwick, Aspinwall & Tucker, 320 Fifth Ave., for constructing a wing to the 3-story brick hospital at 16th St., east of Ave. C, for the Scarlet Fever and Diphtheria Hospital. The general contract is held by the WILLIAM YOUNG CO., 550 West 41st St.

✚The contract has been awarded to the BENEDETTE & EGAN CONSTRUCTION CO., 423 East 115th St., New York City, for constructing the foundations of additions F and G of the Brooklyn Institute of Arts and Sciences.

NEW YORK, N. Y.—The following bids were received on June 20 for the erection and completion of pavilions L and M of the Bellevue Hospital: John T. Brady & Co., 103 Park Ave., $748,840; Luke A. Burke & Sons Co., 25 West 424 St., $759,750; Richard E. Henningham, $789,499; Marble Arch Co., $794,000; A. L. Guidone & Co., 162 East 23d St., $797,900; F. T. Nesbit & Co., 116 Nassau St., $799,450; John H. Parker Co., 315 Fourth Ave., $799,985; P. J. Carlin Construction Co., 16 East 23d St., $827,755; P. J. Brennan & Son, 624 Madison Ave., $835,000; Lubman Contracting Co., $838,687; Charles H. Peckworth, 631 Hudson St., $846,695; George A. Fuller Co., 111 Broadway, $849,000; New York State Construction Co., 80 Broad St., $877,200.

UTICA, N. Y.—Barnett, Hayes & Barnett, St. Louis, Mo., have completed plans for the St. Johns Orphan Asylum to be three stories and basement with powerhouse and laundry building stone, structural steel, brick and concrete construction. Estimated cost, $200,000.

Bids for general contract have been received and award will soon be made.

✚The contract has been awarded to JOHN ANTES & SON, Utica, for the construction of a theatre building for Harris Lumberg, Niagara Falls, N. Y., is owner. The cost is $70,000.

YONKERS, N. Y.—The Young Women's Christian Association, of which Mrs. Thomas Ewing, Jr., is Pres., has bought a $55,000 site on South Broadway, where it plans to erect a building.

The Yonkers Lodge of Elks awarded to GEORGE T. KELLY, of this city, at $69,288, the contract for erecting a club house at South Broadway and Kellinger St., according to the plans of Anton Schonbach, Arch.

SCHENECTADY, N. Y.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until July 25, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures) of the U. S. post-office at Schenectady, N. Y. Drawings and specification may be had from the Custodian of site at Schenectady, N. Y., or at the discretion of the Superv. Arch.

BUFFALO, N. Y.—Plans filed with the Bureau of Buildings include: St. Frances Xavier Church, 157 East St., Church building, $30,000; Rt. Rev. Charles H. Colton, 1 Herkimer St., 3-story brick school, $65,000; Cathedral School, 31 Atlantic St., 2-story concrete and tile school, $40,000.

BUFFALO, N. Y.—Bids will be received until 11 a. m., June 30, by Commissioner of Public Works, Municipal Bldg., for construction of the Hutchinson School, Johnson Park and Elmwood Ave., to be three stories and basement, including concrete piling, masonry, structural steel, roofing, heating, ventilating and electrical systems, etc. Estimated cost, $600,000. Francis G. Ward is Comr.

The Babcock Electric Carriage Co. has completed plans and is receiving bids for a 1-story and showroom building to be added to its plant at Utica St. and Elmwood Ave.

✚The University Club has let contract to LARGE & CO., Kenmore, N. Y., for construction of an addition to its clubhouse at Delaware Ave. and Allen St., for dormitory apartments and bowling alley.

HACKENSACK, N. J.—The following bids were received on June 7 by the Board of Education for constructing the State School. Paul J. Exmer Co., New York, N. Y., $135,470; John T. Brady & Co., $134,840; W. H. Whyte, Hackensack, $136,642; American Concrete Steel Co., Newark, $180,677.

NEWBURGH, N. Y.—The Y. M. C. A. Building Committee, which includes S. L. Stewart, T. R. Beal and A. L. J. Miller, has directed Jackson & Rosencrans, Arch., of 1328 Broadway, New York City, to prepare plans for a new Y. M. C. A. building here.

ROCHESTER, N. Y.—Henry A. Strong, husband of the President of the Bd. of Managers of the Y. W. C. A., has given to his wife $75,000 for the purpose of erecting a new association building.

NEWARK, N. J.—H. J. and J. B. King, 22 Clinton St., have been selected as architects for the construction of Sixth precinct police station. The cost will be about $55,000.

TRENTON, N. J.—Bids will be received by the State House Committee until June 27 for constructing an addition to the state house.

ALLENTOWN, PA.—Bids will be received until noon, July 1, for building the Homeopathic State Hospital for the Insane. Information may be obtained from Philip H. Johnson, Arch., 1824-25 Land Title Bldg., Philadelphia.

It is reported that there is a movement for the construction of a temple by five Masonic bodies, for the various organizations of the fraternity.

PHILADELPHIA, PA.—Hudson & Rapp are having plans prepared for a 3-story flathouse, 107 x 96 ft., and eight 2-family flat houses, each 20 x 89 ft., which they will erect at Gorgas Lane and Germantown Ave., Mt. Airy. The cost will be about $100,000.

William E. Rees was granted a permit to erect a 3-story flat building, 150 x 32 ft., on Wayne Ave., south of Johnson St., to cost $50,000.

Plans have been completed by Bradley & Jahnke for a 3-story apartment house, 107 x 96 ft., and four pairs of 2-story, 2-family flat houses, 20 x 80 ft., to be built at Germantown Ave. and Gorgas Line by Hudson & Rapp. Cost, is about $130,000.

Press reports state that the plot 91 x 120 ft., at the southeast corner of 43d and Chestnut Sts., has been sold by Taylor & Son, brokers, acting for Emily E. Riley, to E. E. Von Helfenstein. It is purposed to erect there a 4-story apartment building containing 27 7-room suites. The cost is about $100,000.

The Episcopal congregation of the Holy Comforter is having plans prepared for a church 45 x 125 ft., a rectory, 32 x 45 ft., and a chapel, 16 x 40 ft., at 48th St. and Haverford Ave. The cost will be $90,000.

✚The contract has been awarded JAMES G. DOAK & CO., Philadelphia, Pa., for the erection of the new building at Chelton and City Aves., 43d Ward, for the Home for Orphans of Odd Fellows of Pennsylvania, which is to cost about $75,000. The buildings include a group of 2 and 3-story structures and will take the place of the present home at 20th and Tioga Sts.

It is reported that a syndicate headed by William J. Ryan, which has purchased the Church of the Evangelist at the northeast

corner of Broad and Federal Sts., is having plans prepared for the erection on the site of a $100,000 theatre. It will have a gallery, with a completely equipped stage, and will occupy a lot 100 × 200 ft.

✚BALTIMORE, MD.—The contract for the erection of an apartment house, to cost $75,000, at Park and Mount Royal Aves., has been awarded to the WELSH CONSTRUCTION CO. Plans of Architect J. E. Laferty call for a building three stories high, of stone, brick and terra cotta, with marble and limestone trimmings. Individual suites for housekeeping will be arranged.

BALTIMORE, MD.—United Motor Transportation Co., will be incorporated to furnish motor-truck service for handling merchandise, etc.; plans to establish central garage; capital stock to be $500,000; organizers, Jas. H. Gaither, Mgr. Transportation, 33 South Howard St.

The Board of School Commissioners have commissioned Haskell & Barnes to prepare plans and specifications for school building at Lakewood Ave. and Orleans St. Cost, $60,000.

Edmund S. Dickey, The Walbert, Lafayette Ave. and Charles St., has plans by Howard Sill, 11 East Pleasant St., for a residence at Roland Park, brick construction, 2½ stories, interior trimmings, tile and terrazo work; cost, $40,000.

Kahn-Coblenz & Co., Howard and Lexington Sts., Baltimore, Md., are having plans and specifications prepared for a 6-story department store to take place of their present building. Architect's name not yet announced. Contract will be awarded shortly.

A. Eisenberg, 213-19 West Lexington St., has commissioned Chas. E. Cassell, Law Bldg., Baltimore, to prepare plans for department store at 35 West Lexington St.; 4½ stories, brick, slag roof, steam heat, gas and electric lighting, plumbing, plate glass work to cost $50,000.

✚HENRY S. RIPPLE, 5 Clay St., has been awarded the contract to construct the hospital building for the Hospital for Cripple Children on Green Spring Ave.

✚FREDERICK, MD.—The contract has been awarded to EDWARD BRADY & SONS, 1109 Cathedral St., Baltimore, for the construction of a freight house for the Baltimore & Ohio R. R. The cost is $50,000.

WASHINGTON, D. C.—Bids will be received by the Commissioners of the District of Columbia until June 29 for the erection of an 8-room school at the northeast corner of 30th and R Sts. John A. Johnston is one of the Comrs.

Bids will be received by the Commissioners of Columbia, Washington, D. C., until 2 p. m., June 29, for the construction of the James Ormond Wilson Normal School Building 162, to be located on Eleventh St., between Harvard and Girard Sts., Northwest, Washington, D. C. Information may be obtained from the Chief Clerk, Engineer Dept., Room 427, District Bldg., Washington, D. C.

ARLINGTON, VA.—Bids will be received at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until June 26 for the construction of a wireless station at the U. S. reservation, Arlington, Va. R. C. Hollyday is Ch. of Bureau.

NORFOLK, VA.—E. C. Horn & Co., New York City, are preparing plans and specifications for proposed Tazewell Theater, to be of pressed tan brick and terra cotta construction, green tile trimmings; elliptical plate glass front, two stories, within vestibule, with glass and bronze hood extending over sidewalks on line with second story; foyer extending across rear of main auditorium.

LYNCHBURG, VA.—W. W. Lynn awarded contract to W. B. SNEAD & CO. to erect addition to and improve Hotel Carroll to contain 19 rooms with private baths equipped with tile floors and wainscoting; interior improvements to include in part marble wainscoting, plastered beam ceilings, orchestra balcony over private dining-room. Plans by McLaughlin, Pettit & Johnson, Lynchburg, Va.

RICHMOND, VA. — The School Board is having plans prepared by C. M. Robinson and Carneal & Johnson, Richmond, Va., for one school for colored pupils and two for white pupils. Cost, $75,000, $75,000 and $40,000, respectively.

✚CLARKSBURG, W. VA.—At a meeting held by the Building Committee of the Local Order of Masons for the erection of a temple the contract was awarded to C. P. HOWELL at $79,900, it is reported.

RALEIGH, N. C.—The plans tendered by P. Thornton Marye, Atkin, with Frank B. Simpson, Raleigh, as associate architect, have been selected by the State Building Commission for the $250,000 fireproof administration building. There will be five stories, the first will be granite and the upper stories of Bedford limestone with terra cotta trimmings.

✚CHARLOTTE, N. C.—The general contract has been awarded to WHITNEY-STEEN CO., 1 Liberty St., New York, N. Y., for the 12-story Commercial National Bank Bldg., which is to be erected on South Tryon and West Fourth Sts. The contract for steel work is held by the AMERICAN BRIDGE CO., 30 Church St., New York, N. Y. Plans were prepared by Mowbray & Uffinger, 56 Liberty St., New York, N. Y.

CHARLESTON, S. C.—Capt. John H. Devereux, U. S. Supt. of Public Bldgs., is reported to be making plans for a proposed building to be called the Temple of Fame, to cost not less than $500,000, which he intends to try to have placed at the entrance to Hampton Park. The purpose of the building will be to contain "tablets commemorating the achievements of the people of South Carolina from the Colonial condition to the present day."

ARCADIA, FLA.—It is reported that the Board of County Commissioners will receive bids until June 26 for the construction of a court-house. The cost is about $60,000.

BIRMINGHAM, ALA.—Bids will be received by the Directors of the American Trust & Savings Bank until July 11 for the construction of a 20-story office building. William L. Wilton is Arch. The cost is $60,000.

MONTGOMERY, ALA.—Plans and specifications for the new Pythian temple, which is to be erected in this city at a cost of about $65,000, have about been completed. It is announced that work will be begun by Aug. 1.

✚NEWPORT, KY.—The contract has been awarded to E. A. CURRY, Hamilton, Ohio, for the construction of a building for the Bonded Warehouse Co.

LOUISVILLE, KY.—It is reported that work has just been started toward razing the site for two apartment buildings to be erected by the Breckenridge Realty Co. on the northeast corner of Second and Breckinridge Sts., at a cost of $80,000.

ALLIANCE, OHIO.—Bids will be received until June 26 by the Board of Education for the construction of an 8-room school. Plans were prepared by W. T. Mills, Columbus, Ohio.

NEWARK, OHIO.—Bids will be received by the Board of Education of McKean Township, Licking County, Ohio, until noon, July 12, for the erection of a school building to be constructed in sub district No. 4. A. E. Hoskinson is Clk. of the Bd.

✚VAN WERT, OHIO.—W. H. ISGRIG & SONS, Greensburg, Ind., have been awarded the contract for the erection of a High School building at Van Wert, Ohio, it is reported. The cost is $79,999.

COLUMBUS, OHIO.—Reibel & Sons, Columbus, are preparing plans for a new $100,000 fireproof school building to be erected by the Board of Education on Dana Ave.

INDIANAPOLIS, IND.—Bids will be received by the Board of School Commissioners until June 27 for constructing an addition to school 39. Plans were prepared by Clarence Martindale, Indianapolis.

PRINCETON, IND.—Plans and specifications have been prepared by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a U. S. post-office at Princeton, Ind. The date of opening has not yet been set.

*ALPENA, MICH.—Bids will be received until July 21 by James Knox Taylor, Super. Arch., Treasury Dept., Washington, D. C., for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures), of the U. S. post-office at Alpena, Mich. Drawings and specifications may be obtained from the Custodian of site at Alpena, Mich., or at the discretion of the Superv. Arch.

✚PEORIA, ILL.—It is reported that the Board of Directors of the Y. M. C. A. awarded the contract for the construction of a Y. M. C. A. building to WM. ALLEN & SON, and they will begin work on the structure at once. It will cost in the neighborhood of $100,000, exclusive of furnishings.

SHEBOYGAN, WIS.—The Board of Public Works will receive bids until June 24 for the construction of the Eighth Ward school.

MILWAUKEE, WIS.—The Committee on Schools of the Milwaukee County Board of Supervisors has awarded the first prize in the competition to obtain plans and specifications for the proposed $180,000 county agricultural and domestic economy school plant to Alexander C. Eschweiler, Arch., 712 Goldsmith Bldg. Second prize, George Nagle, Arch., Chicago, Ill.; third prize, Brust, Philipp & Heimerl, Milwaukee. Arthur H. Peabody, Arch., University of Wisconsin, is consulting architect and Prof. A. A. Johnson is Supt. Bids will be called for as soon as the architect submits full specifications.

MILWAUKEE, WIS.—The Directors of the Second Ward Savings Bank, West Water, Third and Cedar Sts., have decided to proceed with the erection of the new banking house on this site at once. Plans were prepared for a 5-story triangular building to cost $65,000 by Kirchoff & Rose, Majestic Bldg., Milwaukee, Archs. August Uihlein is Pres.

RACINE, WIS.—The County Board of Supervisors have voted in favor of building a new Racine county courthouse. Probable cost, $250,000.

WATERLOO, IOWA.—Plans are being prepared by the Illinois Central Ry. for a $200,000 depot. J. A. Taggart, Twelfth St. Sta., Chicago, is Arch. A. S. Baldwin is Ch. Engr.

BELLE PLAINE, IOWA.—The Board of Education will receive bids until July 5 for the construction of a school building. George R. Ahrens is Secy.

FAIRFIELD, IOWA.—Bids will be received by the County Board of Hospital Trustees until July 11 for the construction of a hospital.

PATON, IOWA.—Bids will be received by F. V. Rhoades, Secy. Independent School Dist., until June 30 for constructing a school building here.

BAUDETTE, MINN.—Bids will be received by C. R. Middleton, Clk. Independent School Dist., until June 22 for constructing a school.

✚DULUTH, MINN.—The general contract for the building of the new St. Paul's Episcopal Church at 17th Ave. east and Superior St., was let to McLEOD & SMITH, whose bid was $72,900. Four other bids were submitted as follows: George H. Lounsberry, $85,200; Smith & Vokes, $84,940; Jacobson Bros., $81,332, and L. D. Campbell, $75,000.

PAYNESVILLE, MINN.—The Board of Education will receive bids until June 30 for the construction of a high school. Plans were prepared by Kirby T. Snyder & Co., 92 Seventh St., Minneapolis.

GREAT BEND, KAN.—Plans and specifications have been prepared by the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a U. S. post-office at Great Bend, Kans. The date of opening has not yet been set.

WELLINGTON, KAN.—Bids were received as follows on June 19, by James Knox Taylor, Superv. Archt., Treasury Dept., Washington, D. C., for the construction of a U. S. post-office at Wellington, Kan.: (a) limestone, (b) sandstone, Pinaire & Martling, Wichita, Kan., (a) $74,986. King Lumber Co., Charlottesville, Va., (a) $59,800, (b) $63,000. Harmon Bros., Williamsport, Pa., (a) $59,800, (b) $61,500. Dieter & Wenzel, Wichita, Kan., (a) $53,910, (b) $55,000.

ABERDEEN, S. DAK.—J. T. Gullick, Supt. of the Milwaukee road, is reported to have announced the plans for the construction of the passenger station, freight depot and engine house to replace the structures recently destroyed by fire. The passenger station plans call for a building 50 × 300 ft. in size, one portion, 50 × 100 ft., to be three stories high and the remainder one story. The upper stories will be used for offices for the various division officers who are stationed here, while the entire ground floor will be taken up by the passenger station. The structure will cost $70,000. The freight depot will cost $50,000, and there will also be erected an engine house. The entire group of buildings will cost about $200,000.

✚RAPID CITY, N. DAK.—The contract for the erection of the new Elks building has been awarded to the BETTS CONSTRUCTION CO., of Huron, S. Dak., the figure named being $59,115. The building is to be completed by April 1, 1912. There were nine bids for the work.

*ROCK SPRINGS, WYO.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 28, for the complete construction of a U. S. post-office at Rock Springs.

GREAT FALLS, MONT.—Bids will be received by George H. Shanley, First National Bank Bldg., until June 22 for constructing the Sarto Villa Ursuline Academy.

GREAT FALLS, MONT.—Plans have been prepared by W. E. Donovan, Great Falls, Mont., for the construction of a building for the Elks, to cost about $50,000.

ST. LOUIS, MO.—A. Blair Ridington, 122 North Seventh St., will prepare plans for the erection of an apartment house which the Ettrick Realty Co. will erect on Cabanne and Belt Aves., at a cost of $150,000.

JEFFERSON CITY, MO.—H. H. Hohenschiel, Rolla, has been selected as architect by the State Board of Prison Inspectors for the cell building to be erected at the Missouri Penitentiary. The cost is about $350,000.

SPRINGFIELD, MO.—Contract will be let on June 26 for the completion of the Greene County Court House. The walls have been completed to the third floor and the present contract includes completing the third story and roof and all heating, plumbing and interior finish approximating $135,000. The building is 98 × 198 ft. and the total cost about $225,000. Ellis Paxson, 789 E. Elm St., is Supt. and Miller, Opel & Torbitt, Archs

SAN ANTONIO, TEX.—The School Board of San Antonio proposes to erect a $400,000 school on Prospect Hill. Carl Von Seutter has been selected as Arch.

SULPHUR SPRINGS, TEX.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has rejected all bids for a U. S. post-office at Sulphur Springs, Tex., as being in excess of the appropriation.

WHARTON, TEX.—G. A. Harrison is having plans prepared for a three-story brick business building that he will erect here.

SALT LAKE CITY, UTAH.—The plans of Pope & Burton have been accepted by the State Fish and Game Comn. for the construction of a fish and game building at the Utah State Fair.

PRICE, UTAH.—The Board of School Trustees will receive bids until June 28 for erecting an addition to the Price Central school.

WELLINGTON, UTAH.—Bids will be received by the Board of School Trustees, until June 28 for constructing a school. Plans were prepared by Watkins, Birch & Kent, Vermont Bldg., Salt Lake City.

PORTLAND, ORE.—Plans have been prepared by MacNaughton & Raymond, Archs., for the construction of an apartment house for Henry Roberts. The building will be located on Twelfth and Columbia Sts. and cost $50,000.

SANTA MONICA, CAL.—Plans have been prepared for the construction of a Polytechnic high school. The cost is about $145,000.

SHAWINIGAN FALLS, QUE.—Bids will be received until July 5, by R. C. Desrochers, Secy. Pub. Wks., Dept., Ottawa, Ont., for the construction of a public building. Plans, etc., on application to Asselin & Auger, Archs., 17 Place D'Armes Hill, Montreal, Que.

TORONTO, ONT.—The West Presbyterian Congregation contemplates erecting an edifice on College St. The cost is $60,000.

OTTAWA, ONT.—Bids will be received by P. E. Ryan, Secy. Comrs. of the Transcontinental Ry., until July 11, for the erection of two terminal stations, one at Redditt, Ontario, and the other at Transcona, Manitoba, on the line of the National Transcontinental Ry. Gordon Grant is Ch. Engr., Ottawa, Ont.

TORONTO, ONT.—It is reported that the UNITED STATES REALTY & IMPROVEMENT CO., through George A. Fuller Co., has secured the contract to construct a $1,000,000 office building in Toronto, Canada, for the Canadian Pacific Ry. Co.

OTTAWA, ONT.—George H. Perley, M. P., has offered to contribute $50,000 for a new tuberculosis hospital for Ottawa, it is reported.

WINNIPEG, MAN.—Bids will be received until June 29, by M. Peterson, Secy. Board of Control, for the supply of labor and material required in the erection of fire stations Nos. 12 and 13. Plans, etc., on application to A. & W. Melville, Archs., 405 Builders' Exchange, Winnipeg.

WATER SUPPLY—IRRIGATION.

(✚Denotes a contract awarded.)

NORTH HAVEN, ME.—Bids will be received until June 26 for laying [illegible] 8, 10, 12 and 14-in. pipe for [illegible] about 1,000 cu. yds. rock is involved; [illegible] at office of Engr. E. B. Cum[illegible] National Bank Bldg., Portland. [illegible] ett is Chn. Water Bld.

CHARLESTOWN, N. H.—The [illegible] Charlestown, N. H., is arranging [illegible] a small gravity water system for [illegible] of North Charlestown. The pipe [illegible] etc., have been purchased, and [illegible] by the superintendent of the [illegible] Water-Works. Dudley & Sawyer [illegible] ter, N. H., are Engrs.

OSSIPEE, N. H.—Bids will be received until noon June 24 by the Ossipee [illegible] Electric Co. for furnishing about [illegible] ft. of c. i. water pipe of various sizes [illegible] as hydrants and other supplies. [illegible] Sawyer, Manchester, N. H., are Engrs.

WATERBURY, CONN. — Bids for stripping the surface soil from the bottom of the new Morris Reservoir in the towns of Morris and Litchfield were received by the Board of Public Works on June 13 as follows: The Pierson Engineering & Construction Co., Bristol, Conn., $156,2[illegible]; Mascetti & Halley, Torrington, Conn., $138,200. No award was made, as, owing to irregularities, both bids were rejected and new bids called for, to be in at 8 p. m., June 27. Contracts and specifications may be obtained of Robert A. Cairno, City Engr., 9 Leavenworth St. Noted on May 25 and June 8.

✚BUFFALO, N. Y.—The contract for all c.-i. pipe and specials to be purchased from July 1, 1911, to July 1, 1912, has been awarded by the city to the UNITED STATES CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York, N. Y., at $22.10 per ton; specials, 4 to 30-in., 2½ cts. per lb.; 36 to 60-in. 4¼ cts. per lb.

NEW YORK, N. Y.—The Aldermen have appropriated $8,690,000 for a filtration plant at Jerome Park Reservoir. The reservoir is also to be covered over and on the top will be provided a recreation ground. The money appropriated will permit the filtration of all Croton water supplied to the city.

NEW YORK, N. Y.—Bids will be received by the Commissioners of Water Supply, Gas & Electricity, at 13 to 21 Park Row, New York, N. Y., until 2 p. m., June 28, for laying water mains and appurtenances in Northern, Post, Seaman, St. Nicholas and Vermilyea Aves.; in Cooper, Hawthorne, W. 193d, W. 203d, W. 204th, W. 205th, W. 206th, W. 208th, W. 210th, W. 211th, W. 212th, W. 213th and W. 214th Sts., and in Broadway, Borough of Manhattan, and furnishing and laying water mains and appurtenances in Eastern Boulevard, Pelham Bridge Road, City Island Road and Fordham St., Borough of the Bronx. Henry S. Thompson is Comr.

NEW YORK, N. Y.—The Department of Water Supply, Gas & Electricity has awarded a contract for cast iron pipe, special castings and valve box castings to JOHN FOX & CO., 253 Broadway, New York, at $26,696.25.

*CAMDEN, N. J.—Bids will be received by J. J. Albertson, County Engr., Court House, Camden, N. J., until 11 a. m., July 10, for pump house, gasoline engine, foundation, gasoline tank pump, connections and stand pipe in position. Generator with foundation and electrical equipment in position. Specifications may be obtained from F. W. George, Court House, Camden, N. J.

ALIQUIPPA, PA.—Bids will be received by W. W. Lester, Boro. Clk., Aliquippa, Pa., until 8 p. m., June 26, for constructing a new brick pump house, concrete retaining walls, reinforced or plain, concrete flooring, new brick pump wells, cast iron water lines and connecting 1,184,000 gal. single action Triplex plunger power pump, one 90 HP. gas engine and all necessary equipments and connections to complete said proposed new work. Also raising of the two old Triplex Plunger Power Pumps, and the two gas engines, now in operation, about nine feet to the floor of the new pump house when completed, and to supply and install the extension for the plunger, and connections for the present old pumps and the extensions of an "A" frame support, now under one of the present pumps, the extension of the winding iron stairway in the present well, the extension of all the pipe lines from present engines and pumps to points in the new pump house and the extension of the present wells about eight feet. The razing of the present pump house and disposition of the old material, to supply and construct about 150 lin. ft. of 4-in. gas line, with all necessary connections and valves, according to the plans and specifications on file in the office of the burgess in the Municipal Building, at Aliquippa, Pa., and the office of the borough engineer, Room 5, Moore Building, Beaver, Pa. W. W. Lester, Borough Clerk, Aliquippa, Pa. R. R. Owens, Beaver, Pa., is Engr.

GLEN ROCK, PA.—Jacob H. Brillhart, 34 N. Seventh Ave., Bethlehem, Pa., is preparing plans and specifications for an additional water supply for this village.

✚MASONTOWN, PA.—The contract for the water filtration plant for the Borough of Masontown has been awarded to the PITT CONSTRUCTION CO., Fulton Bldg., Pittsburg, Pa. Chester & Fleming, Union Bank Bldg., Pittsburg, are the Engrs.

✚PITTSBURG, PA.—A contract was awarded June 9, to the ALLIS-CHALMERS CO., Milwaukee, Wis., for furnishing two pumps for the new pumping station at the filtration plant, at $102,810 each. Noted on June 1.

WARREN, PA.—The special water committee of the city council has recommended that the city purchase the plant of the Warren Water Co. and the filtration plant at a cost of $110,000.

✚*FREDERICK, MD.—The city has awarded the following contracts for improvements to water-works: furnishing and laying of 1,013 tons c.-i. pipe: UNITED STATES CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York City, at $21,531; pipe,

R. D. WOOD & CO., New York City, at $1,-075; valves, hydrants, etc., CHARLES ROY, Johnstown, Pa., at 79.641; for excavation and laying of pipe, WILLIAM H. BOARDMAN, 426 Walnut St., Philadelphia, Pa. Frank F. Tyrell is Supt.

NORFOLK, VA.—T. B. Dornin, Ch. Engr. Water Dept., has recommended the installation of new pumps and boilers, and larger mains.

✚CONCORD, N. C.—Contracts have been awarded by the Water Board as follows: CLAYTON CONSTRUCTION CO., Wilmington, N. C., $26,000 for complete filter plant; GLAMORGAN PIPE & FOUNDRY CO., Lynchburg, Va., $13,500 for c.-i. pipe. Gilbert C. White, Durham, N. C., is Engr. Noted on June 6.

CUTHBERT, GA.—Bonds for $20,000 have been voted for sinking one or more artesian wells, moving the water and light plants into the city, and locating them along the lines of the railroad, and extending and improving the light and water system.

COLQUITT, GA.—See item under Light, Heat & Power.

HARTWELL, GA.—The city is considering the installation of water-works. J. B. McCrary Co., 1311 Empire Bldg., Atlanta, Ga., are the Engrs.

LAVONIA, GA.—The city is considering the installation of water-works. J. B. McCrary Co., 1311 Empire Bldg., Atlanta, Ga., are the Engrs.

*MACON, GA.—Bids will be received until noon, July 16, for the digging of trenches and laying 5,993 ft. of 12-in. pipe; 3,140 ft. of 8-in. pipe; 5,363 ft., of 6-in. pipe, with hydrants, gate valves, tees, elbows, and other special castings. Plans, specifications and blank forms of proposal may be obtained by applying to City Engineer of City of Macon, Ga. John T. Moore is Mayor.

TALAPOOSA, GA.—Plans are being prepared by J. B. McCrary Co., 1311 Empire Bldg., Atlanta, Ga., for improvements to be made to the sewer and water system. A bond issue of $25,000 will be voted on.

VILLA RICA, GA.—Plans are being prepared by J. B. McCrary Co., 1311 Empire Bldg., Atlanta, Ga., for the construction of water-works.

WASHINGTON, GA.—The municipal electric pumping station and power line will be improved to the extent of $8,000. Westinghouse, Church, Kerr & Co., 10 Bridge St., New York, are Engrs. E. A. Barnett is Mayor.

KENTWOOD, LA.—Bids will be received by W. D. Welsh, Mayor, until July 6 for drilling and completing an artesian well. Geo. F. Conan, Kentwood, is Engr.

MORGAN CITY, LA.—Plans for the construction of the water-works and sewerage system will be completed within 60 days. Xavier A. Kramer, Magnolia, Miss., has been retained to make the surveys. The estimated cost is $60,000.

DYER, TENN.—Bids will be received by Mayor and Board of Aldermen, Dyer, Tenn., until 2 p. m., June 27, for materials and constructing water-works; 60-HP. gasoline engine direct connected to underwriters' fire pump deep well pumping outfit, operated by electric motor, 150,000-gal. reservoir, 40,000-gal. steel tank on 50-ft. tower, brick or concrete pumping station, 2,600 ft., 8-in., 5,200 ft. 6-in., and 15,100 ft. 4-in. pipe, 41 hydrants, 21 valves and boxes. R. B. Daniel is Mayor and R. C. Houston, Engr.

COLUMBUS, OHIO.—Bids will be received by H. S. Holton, Dir. Pub. Serv., until June 26, for furnishing and delivering 945 tons of c.-i. pipe, 53 tons of bell and spigot special castings, and 4 tons of flanged special castings.

✚LAPORTE, IND.—An auxiliary water supply at Stone Lake is contemplated. The contract for a new pump has been awarded to the ALLIS-CHALMERS CO., Milwaukee, Wis.

ANN ARBOR, MICH.—At the request of the city which has for several years been considering the purchase of the plant, the Ann Arbor Water Co., has fixed a price of $525,000.

✚MARQUETTE, MICH.—The contract to extend the Marquette, Mich., intake one-half mile farther into Lake Superior, to a depth of 75 ft. of water has been awarded to WANLESS & KING, Duluth, Minn.

ARTHUR, ILL.—We are officially advised that this city will construct a water-works system at a cost of $15,000. About four miles of water main and all other equipment required for a complete system is needed. Claud James, Mattoon, Ill., is Engr.; J. F. Martin is Mayor.

HOMEWOOD, ILL.—Bids will be received by R. B. Harwood, Secy. Bd. Local Impt., until 8 p. m., July 1, for furnishing and laying a quantity of 6, 8 and 10-in. c.-i. pipe and necessary valves and hydrants.

✚JOLIET, ILL.—The contract for equipping the new city pumping station has been awarded to the HILL-TRIPP PUMP CO., Anderson, Ind., at $5,985.

SPRINGFIELD, ILL.—The Water Dept. will install, within the next two years, 5,000 water meters.

✚STAMFORD, ILL. — The contract for a system of water-works according to plans prepared by Melluish & Brayhill, Bloomington, Ill., has been awarded to C. C. BOWMAN, Bloomington, at $5,800. The work includes brick pumping station, pumping machinery, pump pit, pneumatic tank and a small system of mains.

✚MILWAUKEE, WIS.—A contract has been awarded to EDWARD O'DONNELL, Milwaukee, for extending the West Side high-water service 30-in. feeder main, at $1.42 per lin. ft., and the South Side feeder for $1.40, until the point where it is to be reduced to 20 ins. in diameter, the smaller main is to be 83 cts. per lin. ft.

MONTICELLO, WIS.—Bids will be received by E. W. Van Norman, Village Clerk, until 7.30 p. m., June 28, for the erection of a reinforced concrete standpipe, 15 ft. in diameter by 50 ft. high. For further information apply to W. G. Kirchoffer, Engr., Madison, Wis.

GILMORE CITY, IOWA.—Bids will be received July 6 for furnishing material and labor and constructing a complete water-works system. The estimated cost is about $15,000. C. W. Roland Co., Des Moines, Iowa, is Engr. H. C. Marmon is Town Clk.

BARNESVILLE, MINN.—All bids received on May 31 for extending the waterworks have been rejected and the City will do the work by day labor.

MANKATO, MINN.—We are officially advised that this city will construct a 60,000-gal. tank and 90 ft. steel tower. A motor and pump will also be required. Chas. T. Taylor is Mayor.

✚MINNEAPOLIS, MINN.—The council has awarded a meter contract to the NATIONAL METER CO., New York, N. Y., on its bid of 87 for the ⅝-in. size, and others in proportion. The contract covers two years, and upwards of 4,000 meters probably will be purchased.

COFFEYVILLE, KAN.—Plans have been prepared by Carl Stromquist, Supt. Water & Light Dept., for the improvement of the water system. The cost of the improvement, including a filter plant, and additional water mains, is estimated at $100,000.

HARTLAND, KAN.—For the purpose of irrigating a valley between the sand hills and the Arkansas River, two miles west of Hartland, Kearney County, 200 8-in. wells are to be sunk, about 10 ft. apart. This plant is being installed by J. P. Donahoo, of Hutchinson, Kan.

BRIDGEPORT, NEB.—Bids will be received by the Village Clerk until June 30 for the construction of water-works, according to plans prepared by Wheeler & Willis, Bridgeport. Estimated cost, $17,500.

✚BRADLEY, S. DAK.—The contract for constructing the city water-works has been awarded to JOEL McKEE, Bradley, at $12,-722. The other bids were: E. L. Dumech, Laurel, Neb., $14,589; Roberts & Few, Brookings, S. Dak., $14,405; Fraser & Danforth, Rochester, Minn., $13,216; Des Moines Bridge & Iron Works, Des Moines, Iowa, $14,-696; Cook Construction Co., Des Moines, Iowa, $14,159; L. W. Schrurth, Fargo, N. Dak., $13,864, and W. D. Lovell, Minneapolis, Minn., $13,631.

IPSWICH, S. DAK.—An appropriation of $20,000 has been made for the installation of water-works. The water supply will be obtained from artesian wells.

✚BASIN, WYO. — The Basin water-works and electric light improvements were awarded to the KATZ-CRAIG CONTRACTING CO., Omaha, Neb., for the entire work, at $58,-582.72. Other bids were: Katz-Craig Contracting Co., Omaha, $30,584; Des Moines Bridge & Iron Works, $30,890; W. D. Lovell, Minneapolis, $30,996; Lindstrom & Oren, Billings, $31,500; Bruer & Stanton, Basin, $32,772; Tanner Bros., Webster, S. Dak., $32,900. Burns & McDonnell, Scarett Bldg., Kansas City, Mo., are Engrs. The awarded contract includes $11,948 for c.-i. pipe and $12,250 for valves, pumping and electrical machinery.

HELENA, MONT.—An election will be held in city on June 26 for the purpose of submitting to taxpayers question of issuing $400,000 bonds for purpose of acquiring the plant of the Helena Water-Works Co. Noted on April 27.

MILAN, MO.—Preliminary plans have been prepared by Hiram Phillips, Consult. Engr., Third National Bank Bldg., St. Louis, Mo., for the installation of a water-works system in Milan. The estimated cost is $25,000. The work will include the construction of a reservoir. John W. Boughen, Milan, is in charge. Noted on June 8.

FORT SMITH, ARK.—Bids will be received until 9 a. m., June 23 for valves and hydrants and until 11 a. m., the same day for the construction of a water supply. Plans and specifications are on file at the office of the engineer, W. E. Dove, 810 First National Bank Bldg., Fort Smith, Ark.

BRADY, TEX.—The city is considering the installation of a new water-works system, estimated at $40,000.

EL PASO, TEX.—The city will soon install a 5,000,000-gal. pump at the well on the mesa. Five new wells will have been sunk upon the mesa by the middle of July and the flow of water increased to about 3,000,000 gals. daily. Other wells will be put down and the flow brought up to about 4,000,000 gals. daily by September.

GAINESVILLE, TEX.—The city has purchased the plant of the Gainesville Water Co., and will expend about $60,000 in making extensions and improvements.

BERWIN, OKLA.—A water supply installation is under consideration. Hugh Suggs is interested.

CUSTER, OKLA.—Plans are being prepared by The Western Engineering Co., Oklahoma City, Okla., for water-works and electric light plant, to cost $40,000.

✚SAPULPA, OKLA.—The contract for the erection of a dam on Polecat Creek and a pipe line four miles in length in the city of Sapulpa has been awarded to P. J. McNERNEY, Carthage, Mo., at approximately $120,-000. The dam will be 1,400 ft. in length, 57 ft. high in the highest place, and about 88 ft. wide at the widest.

DENVER, COLO.—Bids will be received at the office of the Field, Fellows & Hinderlider Engineering Co., Denver, Colo., until 2 p. m., June 26, for the excavation of canals and the constructing of headworks, wood stave pipes, flumes, pumping machinery, etc., for the Grand Valley Irrigation District, at Grand Valley, Colo. This work involves the expenditure of more than $150,000. The advertisement is signed by The Wilcox Canal Co., J. A. Smith, Secy.

✚REDMOND, WASH.—The council has awarded to JEFFERY & BUFTON, Portland, Ore., a contract for the proposed water-works system at Cline Falls. The contract price was $24,500.

HOQUIAM, WASH.—The council is considering a water supply system.

HERMISTON, ORE.—Plans have been prepared by John Whistler for a water system to include pumps, elevated tank distributing system. The estimated cost is $49,000. Walter B. Hinkle, Portland, is Engr.

LOS ANGELES, CAL.—Bids will be received until 2 p. m., June 30, by the Board of Public Works for furnishing three 14-in. gate valves, six 10-in. gate valves, nine 18-in. gate valves, two 24-in. gate valves, and five 26-in. gate vales. Horace B. Ferris is Secy.

✚SAN FRANCISCO, CAL.—The contract for completing the laying of pipe for an auxiliary water system, has been awarded to the RAISCH IMPROVEMENT CO., 909 Montgomery St., San Francisco, at $91,500.

TURLOCK, CAL.—Bids will be received until 2 p. m., June 26, by the Board of Directors of the Turlock Irrigation District at Turlock, Cal., for constructing a canal known as the Waite Cut-Off.

✚VALLEJO, CAL.—The contract for the construction of a new reservoir on Fleming Hill, about 20 miles north of this city was awarded to the AMERICAN CONSTRUCTION CO., San Francisco, at $35,925.

*ST. CATHARINES, ONT.—Bids addressed to the Chairman of the Commission, marked "Tender for pipe laying," or "Tender for Tunnel," will be received to noon, July 13, for 4,200 lin. ft. of Rock Tunnel, 5 × 8 ft.; excavation and pipe laying 5,000 ft. 24-in. and 30-in. c.-i. pipe; 36-in. c.-i. intake pipe; concrete intake and valve chambers; excavation and laying 15,000 lin. ft. 24-in. c.-i. pipe. Alex Milne, St. Catharines, Ont., is Supt.

*TORONTO, ONT.—Bids will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, to noon, July 3, for the laying of between 3,-000 and 3,500 ft. of riveted steel pipe, 6 ft. in diameter, in Lake Ontario, for the Water-Works Department. Specifications and forms may be obtained at the office of the City Engineer, Toronto. F. S. Spence, Acting Mayor, is Chn. Bd. of Control, City Hall, Toronto.

ST. BONIFACE, MAN.—The city will expend $75,000 on the water-works system this year about $40,000 of which will be used for the erection of a new reservoir.

MELFORT, SASK.—T. Aird Murray, consulting engineer, Toronto, Ont., has presented a report to the town regarding a proposed water-works and electric light plant.

✚LETHBRIDGE, ALTA.—See item under Sewers.

SEWERS.

WATERVILLE, ME.—It is reported that this city will construct a reinforced-concrete trunk sewer. Harry E. Green is City Engr.

*FITCHBURG, MASS.—Bids will be received by the Board of Sewage Disposal Commissioners, 352 Main St., until 3 p. m., July 11, for the following work: 2,928 lin. ft. earth excavation and refilling in trench for 45-in. concrete sewer, 50 cu. yds. rock excavation, 490 sq. yds. brick masonry in sewer invert, 23 cu. yds. brick masonry in manholes, 1,250 cu. yds. concrete masonry in trench, 40,000 lbs. steel bars for reinforcing concrete. David A. Hartwell is Ch. Engr.

✚BOSTON, MASS.—Bids were received June 13 for sewerage works in St. Botolph Extension, City Property: McCARTHY & WALSH, $4,450 (awarded contract). Other bids were: Peter W. Hill, $4,719; Antony Cefalo, $4,840; R. J. Young & Co., $5,102; A. M. Cusack, $5,344; C. J. Jacobs Co., $5,-665; Geo. J. Regan, $5,684. L. K. Rourke is Comr. of Pub. Wks.

NEW BRITAIN, CONN.—At a special meeting of the Board of Public Works, recently, provision was made for issuing the $40,000 sewer bonds authorized by the general assembly.

*SONYEA, N. Y.—Bids will be received until 2 p. m., July 11, by Percy L. Lang, Pres. of the Bd. of Managers, Craig Colony for Epileptics, Sonyea, for alterations to sewage disposal plant here. For details, see advertisement in this issue.

BUFFALO, N. Y.—The City Council has ordered the construction of a 10-in. tile sewer in the north side of Genesee St., between Blake and Roslyn Sts.

EAST STROUDSBURG, PA.—We are officially informed that Clyde Potts, 30 Church St., New York City, has been retained to design sewerage and sewage disposal works for a portion of East Stroudsburg, Pa.

TALLAPOOSA, GA.—See item under Water Supply—Irrigation.

MORGAN CITY, LA.—See item under "Water Supply—Irrigation."

*LOUISVILLE, KY.—Bids will be received by the Commissioners of Sewerage, 605 Equitable Bldg., Louisville, Ky., until noon, July 7, for the Long Ave. sewer. P. L. Atherton is Chn.

DETROIT, MICH.—The Common Council of the city of Detroit at their meeting of June 13 approved the building of the following lateral sewers: Lateral sewer No. 2233, in alley in block bounded by Broadway, Center, Randolph and Gratiott. Estimated cost per lin. ft., $4.

STREATOR, ILL.—Bids will be received until 6 p. m., June 30, by Thos. R. Holmes, Clerk Town of Reading, for digging approximately 600 rds. of ditch and putting in drain tile.

*AURORA, ILL.—Bids will be received until 2 p. m., July 1, by the Board of Local Improvements, for the construction of sewers in Districts Nos. 7 and 8. Myron J. Tarble is City Engr. For details, see advertisement in this issue.

✚CUDAHY, WIS.—RUDYARD E. KERLIN, Cudahy, was awarded the contract for constructing sewer mains. G. H. Wippler is City Clk.

✚CHIPPEWA FALLS, WIS.—The contract for building 1,600 ft. of sewer on Coleman St. was awarded to FRASER & DANFORTH at the following prices: 12-in. pipe at $1.75 per ft. and 10-in. pipe at $1.10 per ft.; manholes (3 or more) at $50 each; catch basins, $50 each; lamp holes at $10 each; and one flush tank at $80; P. L. McQuillan bid the same except he asked $1.80 and $1.20 per ft. for 12 and 10-in. sewer and $100 for the flush tank.

FRASER & DANFORTH were awarded the contract for rebuilding 900 ft. of sewer on West Cedar St. for $2,650, while P. L. McQuillan bid on same job $2,725.

A sewer of 264 ft. on Stanley St. was awarded to P. L. McQUILLAN.

CLINTON, IOWA.—The following bids were received on June 13 for the completion of sewers in District No. 4: GREEN & SON, Appleton, Wis. (awarded contract), (Div. A), $40,602, (Div. B) $64,214, (Div. C), $1,839, (Div. D) $18,719. Independent Construction Co., Davenport, Iowa, (A) $41,-143, (B) $84,514, (C) $2,224, (D) $19,101; Lytle Construction Co., Sioux City, Iowa, (A) $49,970, (B) $78,320, (C) $2,432, (D) $20,289; Dearborne & Jackson, Cedar Rapids, Iowa, (A) $48,318, (B) $85,162, (C) $2,-255, (D) $17,488; Casey & Son, Clinton, Iowa, (A) $44,824, (C) $1,797, (D) $19,057; Rink & Schnell, Clinton, Iowa (A) $51,-148, (C) $2,014, (D) $20,634. R. C. Hart, C. E., is City Engr.

SHELDON, IOWA.—Bids will be received until 2 p. m., July 1, by E. W. Smale, City Clk., for the construction of sanitary sewers. Plans and specifications can be had at office of City Clk.

SPIRIT LAKE, IOWA.—Bids will be received by the Board of Supervisors of Dickinson County for the construction of an open ditch, furnishing, hauling, distributing tile, digging trenches, laying tile and back filling said trenches.

VALLEY JUNCTION, IOWA.—Bids will be received by the City of Valley Junction until 7 p. m., July 13, for the construction of 5½ miles 8-in. to 20-in. pipe sewers and a sewer disposal plant. Iowa Engineering Co., Chase Block, Clinton, Iowa, are the Engrs.

MORRIS, MINN.—Bids will be received until 8 p. m., June 27, for the construction of sewers, including the following: District No. 3, on First St., consisting of 1,965 ft. of 8-in. sewer, five manholes and one line of 4-in. drain tiles; District No. 6, on Fourth St., consisting of 1,327 ft. of 8-in. sewer, three manholes and one flush tank and one line of 4-in. drain tile; District No. 17, Sixth St., consisting of 1,408 ft., four manholes and one line of 4-in. drain tile. C. B. Burpee is City Clk. Loweth & Wolff, St. Paul, Minn., are Consult. Engrs.

MORRIS, MINN.—Bids will be received by C. B. Burpee, City Clk., until June 27 for the construction of sewers. Loweth & Wolff, Consult. Engrs., St. Paul.

GIRARD, KAN.—Plans and specifications are being prepared for sanitary sewers and sewage purification works. Bids will probably be received about August 1. Burns & McDonnell, Engrs.

PARSONS, KAN.—Bids will be received until July 1 by T. B. J. Wheat, City Clk., for the construction of a main sewer and an intercepting sewer; also for a septic tank.

WICHITA, KAN.—We are officially informed that this city will construct sanitary sewer mains No. 20 consisting of 12, 15, 18, 30, 39, 42, 45, 48-in. concrete, brick or vitrified pipe sewer. A trenching machine with 15-ft. cut is needed. Bert Wells is City Engr.

✚BLANKINTON, S. DAK.—The contract for the construction of the sewage disposal plant has been awarded to BEECHER & MURPHY, Chamberlain, S. Dak.

COLORADO SPRINGS, COLO.—The City Council has decided to put in the following five blocks of sewers: between Midland and Hayes, between Washington and Grand Ave. and between First and 19th Sts. The Councilmen talked of extending the sewer east on First St., between Jefferson and Monroe Sts.

✚MONTREAL QUE.—Contracts were awarded by the Board of Control on June 15 as follows: L. GIGUERE & CO., sewer construction through Longue Point, Rosemount and St. Denis, $263,247; sewer on Azilda Ave. for $43,880; sewer on Mercier Boulevard, $33,200.

TORONTO, ONT.—Bids will be received until June 29 for the construction of a main drainage pumping station on Eastern Ave., Toronto. The work consists of mason work, etc., carpenter work, galvanized iron and roofing, gas fitting and plumbing, plastering, painting and glazing. G. R. Geary is Mayor.

THOROLD, ONT.—Bids will be received until June 26, by D. J. C. Munro, Town Clk., for labor and material required for the construction of a system of sanitary sewers, comprising about 13,000 lin. ft. of pipe sewers. Plans, &c., may be seen at office of Chipman & Power, Engrs., Mail Bldg., Toronto.

✚LETHBRIDGE, ALTA.—N. K. BOYD, of Winnipeg, was awarded contracts for street grading, laying sanitary and storm sewers and water mains, at $119,596. The FOREST CITY PAVING CO., of Regina, received contract for cement sidewalks, at $21,963.

LETHBRIDGE, ALTA.—See item under Water-works.

PRINCE ALBERT, SASK.—By-laws to expend $46,000 on new fire hall, $14,000 on storm sewer and $32,000 for water-works extensions were carried on June 12.

REGINA, SASK.—Bids will be received by F. J. Robinson, Deputy Min. Dept. of Pub. Wks., until June 24 for constructing drains north of Rama.

STREETS AND ROADS.

BANGOR, ME.—The city is considering a proposition for widening Central St. and constructing a retaining wall at the edge of the street, along the whole length of the thoroughfare, from the foot of Hammond St. hill to Harlow St. The cost is estimated at $300,000. P. H. Coombs is City Engr.

✚BOSTON, MASS.—The contract for constructing a brick pavement in Hancock St., between Bowdoin St. and Dorchester

Ave., was awarded, on June 13, to the F. S. & A. D. GORE CORP., for Bessemer block, at $19,910. The other bidders were: James Doherty, Mack block, $18,459; Central Construction Co., Mack block, $18,730; William J. Barry, Mack block, $18,908; John F. O'Connell, Mack block, $19,245; Frank H. Cowin Co., Porter block, $19,058; Bessemer, block, $19,817.

✚BOSTON, MASS.—The following awards were made by the State Highway Commission, on June 13:

In Athol and Phillipston, 22,000 ft. of oiled macadam, to C. E. HORNE, Milbury, at $7,819.

In Montague, 17,000 ft. of oiled macadam, to C. E. HORNE, Milbury, at $7,020.

In North Adams and Williamstown, 28,000 ft. of oiled macadam road, to F. J. MAGNE, at $12,343. Only other bid was: Frank Williams & Co., Boston, $16,570.

In Whately, 10,200 ft. of oiled macadam road, to LANE CONSTRUCTION CORP., Meriden, Conn., at $4,631.

It is proposed to construct two streets in the West Roxbury District: Stratford St., to cost $15,000, and Bradford Ave., to cost $10,000. Louis K. Rourke is Comr. of Pub. Wks.

BOSTON, MASS.—Bids will be received until June 28 for constructing Riverway Drive of Bermudez or Trinidad asphalt. R. S. Peabody is Chn. of Park Comn.

✚MARBLEHEAD, MASS.—The contract for improving portions of Beaver, Norman, Pond St., and others has been awarded to MICHAEL McDONOUGH, Swampscott, Mass., at $5,180.

*NEW LONDON, CONN.—Bids for the construction of about thirty miles of Portland cement sidewalks will be received by the Committee on Streets until 11 a. m., June 28. Specifications may be seen at the office of the City Surveyor, 98 State St., the office of the Highway Commissioner, City Hall, or the office of the Engineering News. Alton T. Miner, John J. Ryan, Stephen J. Downey, Com. on Sts.

NEW LONDON, CONN.—Bids will be received by the Committee on Streets, Alton T. Miner, Chn., until June 28, for the construction of about 30 miles of Portland cement sidewalks.

✚BRIDGEPORT, CONN.—The contract for paving State St. has been awarded as follows: for furnishing the wood block, to the BARBER ASPHALT PAVING CO., 30 Church St., New York, N. Y., at $1.80 per sq. yd.; for laying the pavement, to VAN KEURAN & SON, Jersey City, N. J., at $1.25 per sq. yd. There are 23,000 sq. yds. of pavement to be laid, and the total cost is estimated at $70,000.

✚ALBANY, N. Y.—The Board of Contract and Supply has awarded contracts as follows: for paving Morris St., from West Lawrence to Allen Sts., to MULDERRY BROS., at $10,410; King Ave., from Central Ave. to Bradford St., to JOHN M. HOLLER, at $12,275.

*ALBANY, N. Y.—We are officially advised that bids for highway improvement were received, on June 14, by the State Highway Commission, Irving J. Morris, Secy., Albany, N. Y., as follows:

✚Albany-Guilderland State Highway No. 5155, Albany County, 5.37 miles: Joseph Walker, New Paltz, $79,117 (Gilsonite), $77,777 (Residuum), $82,977 (Bermudez), and $82,977 (Trinidad); B. D. PIERCE, JR., CO., Bridgeport, Conn, $75,701 (awarded contract, $74,861, $78,221, and $78,221; State Highyay Construction Co., Albany, $76,799, $75,959, $78,479, and $78,479.

Wellsville-Hallsport County Highway, No. 945, Allegany County, 4.18 miles: P. H. Murray, Rochester, $54,450 (Residuum), $55,200 (Bermudez) and $55,000 (Trinidad).

✚Olean-Hillsdale-Cuba State Highway, No. 5137, Cattaraugus County, 8.83 miles: H. C. BUNKS & CO., Olean, $109,495 (Gilsonite), $107,443 (Residuum) (awarded contract), $112,915 (Bermudez), and $112,915 (Trinidad); Frank C. Cohen, Buffalo, $121,300, $114,500, $120,000, and $120,000.

✚Cutting-French Creek County Highway, No. 939, Chautauqua County, 6.63 miles: The Lake Shore Construction Co., Dunkirk, $79,679; BUSCH & PERCIVAL, Buffalo, $78,989 (awarded contract); S. T. Benson, Falconer, $84,212; Elmer Love & Co., Corey, Pa., $91,244.

✚Jamestown-Frewsburg County Highway, No. 940, Chautauqua County, 4.24 miles: THOMAS MAHONEY, Jamestown, $76,337 (awarded contract); Lake Shore Construction Co., Dunkirk, $76,907; John Swanson, Jamestown, $81,637.

Akron-Tonawanda Creek County Highway, No. 947, Erie County, 10.16 miles: Erie Contracting Co., Buffalo, $111,000 (Residuum), $117,400 (Bermudez), and $115,800 (Trinidad); Frank L. Cohen, Buffalo, $101,950, $110,000, and $110,000; Cold Spring Constructing Co., Buffalo, $97,440, $104,100, and $102,500; Brown & Lowe, Schenectady, bid informal; Miller & Knickenburg, Buffalo, $104,346, $111,100, and $109,000.

✚Lancaster-Alden County Highway, No. 917, Erie County, 4.11 miles: T. E. Kirwin, Albany, $95,207; E. T. Beck & Co., Lancaster, $95,477; Niagara Construction Co., Corning, $94,840; CONSTANTINE BROS. CO., Buffalo, $90,439 (awarded contract); Erie Contracting Co., Buffalo, $94,400; John E. Johnson & Co., Buffalo, $95,391; Hunkley & Pink, Buffalo, 95,205; F. L. Cohen, Buffalo, $96,675.

✚Batavia-Stafford State Highway, No. 5145, Genesee County, 4.44 miles: F. L. Cohen, Buffalo, $42,895 (Residuum), $46,300 (Bermudez), and $46,300 Trinidad); Schroeder-Hicks Contracting Co., Rochester, $44,100, $48,200, and $47,400; Wood & Tompkins, Hilton, $42,200, $44,940, and $44,250; FRED J. MUMM, Buffalo, $41,800 (awarded contract), $44,500, and $43,800.

✚Hope Center-Wells, Part 1, State Highway, No. 5143, Hamilton County, 5.48 miles: Flood & Van Wirt Co., Hudson Falls, $75,500 (Gilsonite), $68,000 (Residuum) $69,975 (Bermudez), and $70,500 (Trinidad); B. C. Miller, Wilkes-Barre, Pa., $69,999, $65,529, $69,254, and $69,254; Delaware Construction Co., Sidney, $66,000, $64,800, $68,600, and $68,600; St. Regis Construction Co., Malone, $70,400, $68,656, $72,636, and $72,636; BROWN & LOWE, Schenectady, $65,102, $64,358 (awarded contract), $67,338, and $66,593; Dale Engineering Co., Utica, $68,933, $67,964, $70,407, and $70,407; Baker & Banker, Gloversville, $75,600, $74,900, $77,800, and $77,100.

✚Watertown-Clayton, Part 1, State Highway, No. 5140, Jefferson County, 5.24 miles: Semper Bros., Watertown, $59,917 (Residuum), $64,000 (Bermudez), and $63,000 (Trinidad); Brown & Lowe, Schenectady, $55,839, $58,986, and $58,199; St. Regis Construction Co., Malone, $56,486, $63,871, and $63,871; B. C. MILLER, Wilkes-Barre, Pa., $52,427 (awarded contract), $56,077, and $56,077; Dale Engineering Co., Utica, $58,502, $62,233, and $62,233.

✚Marcy Hill-Trenton County Highway, No. 931, Oneida County; Deerfield Corners-Marcy Hill County Highway, No. 933, 12.07 miles: Thomas C. McDermott, Utica, $153,549 (Residuum), $161,501 (Bermudez), and $159,630 (Trinidad); Thomas Grady & Co., Rochester, $149,750, $158,105, and $157,234; OLIN T. BENEDICT, Pittsfield, Mass., $135,900, $143,000 (awarded contract), and $143,000; Harry W. Roberts & Co., Utica, $145,415, $151,950, and $151,650; Dale Engineering Co., Utica, $149,892, $159,086, and $158,710.

✚Monroe-Oxford State Highway, No. 5144, Orange County, 3.31 miles: Harvey B. Sproul, Inc., Peekskill, $41,500 (Gilsonite), $39,027 (Residuum), $41,500 (Bermudez), and $42,000 (Trinidad); SCHUNNEMUNK CONSTRUCTION CO., Highland Mills, $39,950, $38,113 (awarded contract), $39,909, and $39,919; Austin B. Merritt, Highland, $42,000, $40,840, $41,990, and $41,995; B. D. Pierce, Jr., Co., Bridgeport, Conn., $40,900, $40,690, $41,718, and $41,718; Hallock & Angle Co., Newburgh, $40,991, $39,673, $41,247, and $41,247; C. F. Jordan & Co., Goldens Bridge, $41,491, $40,978, $43,030, and $43,030; Suffolk Contracting Co., Huntington, $40,200, $39,600, $41,200, and $41,500; Samuel Beskin, Fishkill, $41,850, $41,340, $43,400, and $42,880.

✚Schenevus-Westford County Highway, No. 935, Otsego County, 3.83 miles: Union Telephone Co., $34,500; Brown & Lowe Co., Schenectady, $36,870; Amos D. Bridge's Sons, Hazardville, Conn., $35,999; THE LANE CONSTRUCTION CO., Meriden, Conn., $35,940 (awarded contract).

✚Schenevus-Westford County Highway, No. 936, Otsego County, 4.15 miles: Delaware Construction Co., Sidney, $48,000; LANE CONSTRUCTION CO., Meriden, Conn, $47,450 (awarded contract); Amos D. Bridge's Sons, Hazardville, Conn., $48,465.

✚Wells Bridge-Otego State Highway, No. 5153, Otsego County, 4.61 miles: Nathan S. Brunk, Browns Station, $61,702 (Residuum), $64,427 (Bermudez), and $64,427 (Trinidad); NEWPORT CONSTRUCTION CO., Newport, $51,556 (awarded contract), $57,086, and $56,086; Amos D. Bridge's Sons, Hazardville, Conn., $53,287, $56,267, and $56,000; Lane Construction Co., Meriden, Conn., $53,980, $56,960 and $56,179.

✚Scotia Village State Highway, No. 5132, Schenectady County, 1.27 miles: Alonzo Schaupp, Albany, $48,130; Richard Hopkins, Troy, $50,432; Mulderry Brothers, Albany, $48,340; Stephens & McCannon, Albany, $45,999; Union Paving Co., Schenectady, $48,792; John B. Dower, Ballston Spa, $49,229; Schenectady Contracting Co., Schenectady, $56,000; Brown & Lowe, Schenectady, $51,400; DOLLARD & HEERAN, Albany, $45,882 (awarded contract); Delaware Construction Co., Sidney, $49,500.

✚Seneca Falls Village County Highway, No. 944, Seneca County, 0.72 miles: KENNEDY CONSTRUCTION CO., Albany, $12,573 (Residuum) (awarded contract), $12,996 (Bermudez), and $12,996 (Trinidad); F. W. Bergen, Newport, $12,890, $13,240, and $13,153; Fred A. Brotsch, Jr., Rochester, $12,700, $13,700, and $13,700.

✚Hornell-Big Creek State Highway, No. 5130, Steuben County, 1.16 miles: Fred E. Ellis, Melrose, Mass., $11,799 (Residuum), $12,250 (Bermudez), and $12,250 (Trinidad); GREENFIELD CONSTRUCTION CO., Brooklyn, N. Y., $11,290 (awarded contract), $11,990, and 11,990; McGreevey, McGuigan & Baum, Elmira, $12,152, $11,970, and $11,400; Kennedy Construction Co., Albany, $11,573, $12,396, and $12,375.

Sag-Harbor-North Haven County Highway, No. 911, Suffolk County. No bids received.

✚Owego-Newark Valley County Highway, No. 927, Tioga County, 7.39 miles: McAffee Concrete Co., Athens, Pa., $66,000; Schroeder-Hicks Contracting Co., Rochester, $68,710; LANE CONSTRUCTION CO., Meriden, Conn., $63,395 (awarded contract).

✚Freeville-Groton County Highway, No. 926, Tompkins County, 4.49 miles: T. H. Gill Co., Whitneys Point, $46,000; Halleck-Engle Co., Newburg, $44,942; St. Regis Construction Co., Malone, $41,896; Patrick D. Connelly, Ithaca, $41,000; AMOS D. BRIDGE'S SONS, Hazardville, Conn., $39,728 (awarded contract); Lane Construction Co., Meriden, Conn., $44,150.

✚Smith's Basin-Lime Kiln County Highway, No. 942, Washington County, 0.66 miles: Kennedy Construction Co., Albany, $4,773; Knisburg Construction Co., Hudson Falls, $4,976; C. J. REARDON, Glens Falls, $4,600 (awarded contract).

✚Dunhams Basin County Highway, No. 720-A, Washington County, 0.24 miles: C. J. REARDON, Glens Falls, $2,317 (awarded contract); Kennedy Construction Co., Albany, $2,523; Kingsbury Construction Co., Hudson Falls, $2,530.

✚Byram Lake-Bedford State Highway, No. 5146, Washington County, 3.34 miles; JAMES GARAFANO, Mt. Vernon, $44,444 (Gilsonite), $43,895 (Residuum) (awarded contract), $46,000 (Bermudez), and $45,500 (Trinidad; Deheo & Slater, Port Chester, $48,800, $48,300, $50,300, and $49,800; C. W. Triumph, Meriden, Conn., $50,844, $50,327, $52,395, and $51,878; C. F. Jordon & Co., Goldens Bridge, $51,049, $49,498, $51,566, and $51,566; Joseph Walker, New Paltz, $56,681, $56,009, $58,232, and $58,232; F. G. Fowler Construction Co., Mt. Kisco, $48,944, $48,427, $50,495, and $50,495; Dunbar Contracting Co., New York City, $48,000, $47,500, $49,900, and $49,300; William F. McCabe Contracting Co., White Plains, $46,430, $45,396, $47,981, and $47,464; E. W. Peck, Stratford, Conn., $46,300, $45,800, $47,950, and $47,500; Suffolk Contracting Co., Huntington, $50,500, $50,000, $51,500, and $52,000; Olin T. Benedict, Pittsfield, Mass., $47,500, $47,000, $48,900, and $48,500.

✚Peekskill-Fishkill, Part 1, Westchester and Putnam Counties, State Highway, No. 5147, 3.63 miles: E. T. Eggleston, Yonkers, $56,964 (Residuum), $59,208 (Bermudez), and $58,674 (Trinidad); Olin T. Benedict, Pittsfield, Mass., $55,900, $57,900, and $57,500; C. F. Jordan & Co., Golden Bridge, $54,582, $56,856, and $56,856; Suffolk Contracting Co., Huntington, $56,000, $57,700, and $58,000; SAMUEL BESKIN, Fishkill, $51,850 (awarded contract), $54,000, and $53,550; W. F. McCabe Contracting Co., White Plains, $53,569, $55,813, and $55,252; H. B. Sproul, Inc., Peekskill, $53,187, $54,300, and $55,000.

✚Warsaw-Pavilion Road, No. 5134, Part 2, Wyoming County, 3.59 miles: FREDERICK J. MUMM, Buffalo, $50,790 (Gilsonite), $49,400 (Residuum) (awarded contract), $51,500 (Bermudez), and $50,900 (Trinidad); J. W. Lewis Construction Co., Rochester, $52,000, $52,650, $53,100, and $52,800; Schroeder Hicks Construction Co., Rochester, $51,114, $49,800, $52,817, and $52,260.

✚North Reading-Dundee, Part 2, State Highway, No. 5128, Yates County, 2.68 miles: THOMAS J. FORD, Elmira, $36,999 (Residuum), $38,791 (Bermudez), and $38,343 (Trinidad).

✚The contract for improving the Wellsville Scio State Highway, No. 5129, Allegany County, 4.5 miles, was awarded, on June 12, by the State Highway Commission, to P. H. MURRAY, Rochester, N. Y., at $53,876 for Gilsonite.

BUFFALO, N. Y.—Bids will be received by Francis G. Ward, Comr. Pub. Wks., until 11 a. m., June 27, for repaving Austin and Hudson Sts. ,and paving Garden, Monroe and Ganson Sts.

✚HERKIMER, N. Y.—The contract for paving South Washington St. has been awarded to D. F. STROBEL & B. MANION, at $6,502.

NEW YORK, N. Y.—Bids will be received by the Site Commission, at the office of Homer Folks, Chn., 105 East 22d St., New York, until June 26, for the improvement of a highway in Westchester County, from a point on the State highway, near Yorktown Heights, to the site of the New York State Training School for Boys, a distance of about 1.85 miles; also for the construction of a road within the site, about one mile long.

✚NORWICH, N. Y.—The Village Board of Trustees has awarded to the TIBBITS-MAHER CO. the contract for paving with repressed brick Birdsall St., at $25,700, and Hayes St., at $10,700.

*JOHNSTOWN, N. Y.—Bids will be received by Grover E. Yerdon, City Clk., until 7.30 p. m., July 3, for constructing an asphalt block pavement on South Perry St., between Main St. and Clinton Ave., for the following quantities: 2,946 sq. yds. asphalt block pavement, 30 lin. ft. of new straight curb, 1,244 lin. ft. of old curb to reset, 185 lin. ft. of new headers, 20 lin. ft. of new 6-ft. radius curb, 8 new driveway corners, 12-in. radius. Plans, profiles and specifications may be seen and blank forms and all necessary information obtained at the office of the City Engineer.

✚NEWARK, N. J.—Contracts have been awarded as follows for grading, curbing and flagging Leslie St., from Hawthorne Ave. to Shaw Ave., to HENRY SCHREITMUELLER; Dassing Ave., from Speedway Ave. to City Line, to ROBERT SNYDER; paving Ballantine Parkway, to STANDARD BITULITHIC CO.

The bids received by the Board of Street and Water Commissioners on June 15, were as follows: Paving of Woodside Ave., from Elwood Ave. to Grafton Ave., with brick: McMahon Construction Co., Corning block, $11,035; Clearfield block, $11,756. P. & P. Jannarone (informal), Jamestown block, $11,670; Shawmut block, $11,670. Newark Paving Co., McAvoy block, $12,979. Jersey Paving Corporation, Bessemer block, $11,735. Van Keuren & Son, Jamestown block, $12,483. Paving Montclair Ave., from Summer to Mt. Prospect Ave., Standard Bitulithic Co., $7,185. J. F. Shanley Co. (informal), $7,138. Paving Scheerer Ave., from Renner Ave. to Bergen St., Standard Bitulithic Co., $12,006. J. F. Shanley Co. (informal), $11,982.

*CAMDEN, N. J.—We are officially advised that the contract for resurfacing the Camden and Westfield Turnpike were received on June 14, as follows: Gibbs & Co., Clementon, N. J., $44,076; E. C. Humphreys, Hackensack, N. J., $42,917; Belmont Paving & Construction Co., 55th and Walnut Sts., Philadelphia, Pa., $38,420; Edward M. Miller and Frank W. Miller, Cape May, N. J., $36,412; W. Penn Corson, Camden, N. J., $38,703; Kelly-McFeeley Co., Third and Market Sts., Camden, N. J., $38,703; W. S. Konover, Trenton, N. J., $38,662; Cunningham Paving & Construction Co., 1345 Arch St., Philadelphia, Pa., $46,125; J. F. Shanley Co., Arcade Bldg., Philadelphia, Pa., $44,910. The contract will be awarded on June 28. Fred W. George is Clk., Bd. Chosen Freeholders. Noted on May 25.

AVALON (Pittsburg post-office), PA.—Bids will be received by the McBride Surveying & Engineering Co., Ltd., Boro. Engrs., Fitzsimmons Bldg., Pittsburg, until 4 p. m., June 26, for paving Hemlock St., from Birmingham Ave. to Chestnut St.

✚BEAVER, PA.—The Beaver Council has awarded a contract to GEORGE B. CLIFFORD, New Brighton, Pa., at $24,383, for paving Market St., from Fifth to borough line north.

GREENSBURG, PA.—Bids will be received by the County Commissioners until 11 a. m., June 29, for improving the following roads: The Latrobe, St. Vincent, Philadelphia and 19,990 ft.; Latrobe, Bradenville and Derry Pittsburg Turnpike road in Unity Township, Road in Derry Township, 24,478 [illegible] grift and Chambers School [illegible] Allegheny and Washington [illegible] 100 ft.; Monessen and Priced[illegible] Rostraver Township, 13,780 ft. [illegible] Jr., is Clk., and John D. Hitch[illegible] Controller.

✚JOHNSONBURG, PA.—The [illegible] paving Center St. has been awa[illegible] PLEGATE & PASCUZZI, at a[illegible] $15,000.

WILSON, PA.—Bids will be [illegible] J. O. Spence, Chn. Street Com[illegible] m., July 6, for grading, paving [illegible] Fourth St., from Boundry to P[illegible] Bids will be received until 2 [illegible] 24, for improving Bancroft St. [illegible] may be seen at the office of J. [illegible] nis, Justice of the Peace. Estima[illegible] ing, 3,300 cu. yds.; curbing, 4,2[illegible] paving, 5,400 sq. yds.

*NORTHUMBERLAND, PA. [illegible] grading, curbing and paving Fro[illegible] be received by the Town Coun[illegible] Council Chambers, until 8 p. m. [illegible] work consists of approximately 3,1[illegible] of vitrified brick pavement, 1,275 [illegible] stone curb, 1,200 cu. yds. of exca[illegible] 13 cu. yds. of concrete.

BALTIMORE, MD.—Bids will be [illegible] by the City Register until 11 a. m. [illegible] for grading, curbing and paving [illegible] asphalt on a cobble base, Calvert [illegible] the north end of bridge over Jo[illegible] to North Ave., and Lanvale [illegible] Charles St. to Greenmount Ave. [illegible] Fendall is City Engr.

*WASHINGTON, D. C.—Bids will be received by the District Commission[illegible] 2 p. m., June 29, for grading and improving suburban streets and avenues [illegible] District of Columbia. Cuno H. Rudolph is Comr.

✚PORTSMOUTH, VA.—The Norfolk & Portsmouth Traction Co has awarded a contract to PERRY W. RUTH & CO., Norfolk, Va., for paving between tracks and 2 ft. on either side, and laying ties and track on [illegible] streets, including London, Effingham, Harrison, Fifth, etc.; about 12,000 sq. yds. paving and 12,000 lin. ft. track.

NORWALK, VA.—Bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., July 5, for constructing concrete walks at the St. Helena Reservation, Navy Yard, Norfolk. R. C. Hollyday is Chief of Bureau. Specifications are on file at the office of Engineering News.

ROANOKE, VA.—Bids will be received by W. L. Craft, City Clk., until June 29 for macadamizing, curbing and guttering portions of Harrison and East Aves. F. L. Gilboney is City Engr.

*CHARLOTTE, N. C.—Bids for paving certain streets in the City of Charlotte will be received by the Executive Board until 8.30 p. m., July 5. The work to be done consists of approximately 58,400 sq. yds. of paving. Bids will be received on bitulithic, sheet asphalt, bituminous macadam, double bond pavement, vitrified brick and wooden block pavement. A. H. Wearn is City Clk. and Treas., and Joseph Firth, City Engr.

✚TARBORO, N. C.—Bids will be received by the Street Paving Committee of Tarboro, until 4 p. m., July 7, for improving Main St. The work will consist of about 25,000 sq. yds. of 8-in. bituminous macadam and a small amount of cement sidewalk, drainage, etc. Alternate bids will be considered on 8,000 sq. yds. vitrified brick paving on concrete base, and 17,000 sq. yds. bituminous macadam.

✚SUMTER, S. C.—We are officially advised that the contract for constructing 12,000 sq. yds. of pavement on Main St. was awarded on June 12, to GEO. W. WARING, at $2.265 per sq. yd. for brick. The other bids were: Charles Engineering & Constructing Co., 95 cts. per sq. yd. for bitulithic on concrete, $2.30 for brick; J. J. Cain, 95 cts. for bitulithic on concrete; Palmetto Paving Co., $2.35 for brick; Atlantic Bitulithic Co., $2.20 for bitulithic. Noted on June 8.

ROME, GA.—Bids will be received by the Board of Public Works, R. A. Denny, Chn., until July 1, for grading, curbing and paving certain streets with wood block, vitrified brick, Hassam compressed concrete, asphalt-macadam, sheet asphalt or bitulithic, in all about 43,000 sq. yds. of paving and 15,000 lin. ft. of curb. W. M. Wilson, Rome, is Superv. Engr.

✚JACKSONVILLE, FLA.—The contract for constructing a road about five miles long from the Atlantic Boulevard to Mayport, Fla., has been awarded to JOHN WHITTAKER, South Jacksonville, at 28 cts. per cu. yd. for grading, and $65 per acre for clearing. Noted on June 8.

ST. PETERSBURG, FLA.—Bids will be received by W. F. Divine, City Clk., until July 1, for constructing nine blocks of brick pavement on South Sixth Ave., six blocks on Lake St., and five blocks on Eleventh St.

ANDALUSIA, ALA.—Bids will be received until noon, July 10, by the Covington County Board of Revenue, for grading and surfacing with sand clay, nine miles of road. [illegible] K. Caldwell is County Engr.

✚HAZLEHURST, MISS.—Press reports state that the contract for improving 75 miles of gravel highways has been awarded to D. C. SMITH, Memphis, Tenn.

✚LOUISVILLE, KY.—Contracts for vitrified block paving, to cost about $56,000, have been awarded by the Board of Public Works as follows: L. R. FIGG CO., 29th St., from Madison to Chestnut St.; HENRY BIDEL CO., Shelby St., from old to new city limits, four blocks; L. W. HANCOCK CO., Dandridge St., from Logan to Ellison, three blocks; Swan, from Oak to Dandridge; Lydia, from Shelby to McHenry; Brook, from Lee to Avery. The prices range from $1.77 to $1.90 per sq. yd.

✚CANTON, OHIO.—The contract for paving the Canton-North Industry Road, for a distance of 2¼ miles, has been awarded to FRANK A. DOWNS, Canton, at $29,397. The

other bids were: P. Dieffenbacher & Sons, $29,739; Preston Campbell, $30,276; William H. Simon, $33,794; Wise, Smith & Krabill, $33,801; R. C. Roush, $34,228; Pierce & Taberg, $34,549; Peter Hahn & Son, $34,421. The engineer's estimate was $30,893.

CLEVELAND HEIGHTS, OHIO.—Bids will be received by H. M. Canfield, Vil. Clk., until July 5, for the improvement of Euclid Boulevard, from Coventery Road, by establishing a grade, grading, draining, sewering and paving with macadam, and constructing sidewalks, according to the plans and specifications on file at the office of the E. A. Pease Engineering Co., Williamson Bldg., Cleveland, Ohio.

✚COLUMBUS, OHIO.—Contracts for street paving have been awarded as follows: 14th Ave., from Summit St. to the Big Four tracks, Portsmouth Block, with cement filler, 4,400 yds., to GEORGE W. PATTERSON & SON, at $12,076; Kossuth St., from Bruck St. to Parsons Ave., Nelsonville Block, with cement filler, 3,600 yds., to GEIGLE, GARNES & CO., at $8,997; 19th Ave., from Summit to Fourth St., Trimble Block, with cement filler, 1,900 yds., to GEORGE W. PATTERSON & SON, at $5,473.

Bids will be received by the Board of Commissioners of Franklin County, until July 12, for the following work: Engineer's estimate No. 268, resurfacing 2,375 ft. of Marion Road, from the Columbus Corporation line east, in Marion Township; Engineer's estimate No. 272, resurfacing 2,400 ft. of the Kenny Pike, from the Henderson Pike north, in Perry Township; Engineer's estimate No. 273, constructing bridge and approaches on the county road at the Union Cemetery, about one mile southeast of Briggsdale.

✚COSHOCTON, OHIO.—The CLEVELAND TRINIDAD PAVING CO., Cleveland, Ohio, has been awarded a contract to pave Park, Orchard and Sixth Sts., at a total of $12,870.

DELAWARE, OHIO.—Bids will be received by W. F. Whittier, County Surveyor of Delaware County, until July 1, for the improvement of the Taylor Corporation Road, 3.626 miles long, and the Link State Road, 4.68 miles.

✚EAST LIVERPOOL, OHIO.—A contract for paving Thompson, Blakely, Vine and Fawcett Sts. has been awarded to HINTON & CUNNINGHAM, East Liverpool, at $13,000; Railroad and First Sts., to THOMAS McLAUGHLIN, East Liverpool, at $12,400; George and Mulberry Sts., amounting to about $20,000, has not as yet been awarded.

✚GREENVILLE, OHIO.—The Board of Commissioners of Darke County have awarded the following contracts: labor for the Mississinawa Township Road, to S. A. WARNER, at $12,539, and materials to ALBERT SHAFER, at $2,300; Himmelgard Road, to J. F. HIMMELGARD, at $1,398, and GREENVILLE GRAVEL CO., at $2,595; Duncan Road, to J. R. SMITH, at $5,890, and GREENVILLE GRAVEL CO., at $4,490; William R. Hittle Road, to MANNING & WELLS, at $3,483, and GREENVILLE GRAVEL CO., at $5,220. The bids for the improvement of the Althoff Road were all rejected, and the work will be readvertised.

LISBON, OHIO.—Bids will be received by the County Commissioners, until July 1, for grading the California Hollow Road. Plans are now being prepared to construct a cattle pass over a road in Knox Township.

MOUNT GILEAD, OHIO.—Bids will be received by the Board of Commissioners of Morrow County until 11 a. m., July 7, for improving Mills Road, for the distance of three miles, and Clark and Purington Road, about 4½ miles. Clifton Sipe is County Audr.

PORTSMOUTH, OHIO.—The County Commissioners will receive bids until June 22 for the construction of the Sedan and Crabtree Road, South Webster Roads, and Hales Creek Road.

SHILOH, OHIO.—Bids will be received by F. S. White, Township Clk., until noon, June 24, for constructing about four miles of macadam road, with tar or asphalt binder. Plans, etc., are on file with C. L. Bushey, office of the Surveyor, Mansfield, Ohio.

LISBON, OHIO.—The construction of about 60 miles of brick paving on the main country roads is contemplated.

*WADSWORTH, OHIO.—Bids will be received by Louis F. Allen, Vil. Clk., until noon, July 10, for improving Broad St. by grading, curbing and paving with vitrified paving brick, about 9,500 sq. yds.

✚BROOKVILLE, IND.—The Commissioners of Franklin County have awarded a contract for the construction of two gravel roads to SULLIVAN & MASON, at $10,225.

INDIANA.—Bids will be received for road construction and improvement, as follows:

Until 1 p. m., June 28, by Commissioners of Randolph County at Winchester, Ind., for the construction of a road in White River Township. Henry F. Wood, Audr.

Until July 1, by Commissioners of Putnam County, at Greencastle, Ind., for constructing the following roads: The Wright macadam road in Monroe, Floyd and Marion Townships, 13,421 ft.; Arnold macadam road in Greencastle and Marion Townships, 7,940 ft.; Smith macadam road, Warren Township, 8,176 ft.; Mathews macadam road in Washington Township, 6,622 ft., and Crawley macadam road in Greencastle Township. D. V. Moffit is County Audr.

Until 10 a. m., July 3, by Commissioners of Jay County at Portland, Ind., for the improvement of a public highway in Bearcreek Township. W. Lea Smith is County Audr.

Until 11 a. m., July 3, by Commissioners of Jennings County, at Vernon, Ind., for the construction of three miles of pipe road in Bigger Township. M. W. Brogan is County Audr.

Until 3 p. m., July 3, by Commissioners of Warren County, at Williamsport, Ind., for the construction of a highway in Mound Township. D. H. Moffitt is County Audr.

Until 10 a. m., July 3, by Commissioners of Vermillion County, at Newport, Ind., for the construction of a gravel road on line between Helt and Clinton Townships. H. T. Payne is County Audr.

Until 1 p. m., July 3, by Commissioners of Johnson County, at Franklin, Ind., for the construction of a gravel road in Union Township. W. B. Jennings is County Audr.

Until 1 p. m., July 3, by Commissioners of Riply County, at Versailles, Ind., for the construction of macadam roads in Laughrey and Otter Creek Townships. Nicholas Volz is County Audr.

Until 1.30 p. m., July 3, by Commissioners of Washington County, at Salem, Ind., for the construction of a road in Brown Township. F. S. Munkelt is County Audr.

Until 10 a. m., July 3, by Commissioners of LaPorte County, at LaPorte, Ind., for the construction of macadamized roads in Scipio and Cass Townships. F. A. Hausheer is County Audr.

Until 10 a. m., July 3, by Commissioners of Hancock County, at Greenfield, Ind., for the construction of grades in Sugar Creek and other townships. C. H. Troy is County Audr.

Until July 3, by the Commissioners of Tipton County, at Tipton, Ind., for constructing the Scott Magnet free gravel road in Jefferson Township a total length of 6,255 ft., and the Lin Collee free gravel or stone road in Cicero Township, a total length of 11,100 ft.

Until noon, July 5, by Commissioners of Porter County, at Valparaiso, Ind., for the construction of four gravel roads. C. A. Biachly is County Audr.

Until 10 a. m., July 5, by Commissioners of Monroe County, at Bloomingtno, Ind., for the construction of a highway in Salt Creek Township. Horace Blakely is County Audr.

Until 2 p. m., July 5, by Commissioners of Rush County, at Rushville, Ind., for the construction of a macadam road in Jackson Township. J. M. Stone is County Audr.

Until 1.30 p. m., July 5, by Commissioners of Wabash County, at Wabash, Ind., for the construction of three roads in Paw Paw Township, two in Noble Township, one on line dividing Noble and Paw Paw Townships, two in Chester Townships, two in town of North Manchester. J. P. Noftger is County Audr.

Until 10 a. m., July 5, by Commissioners of Cass County at Logansport, Ind., for the construction of a stone road in Boone Township and gravel roads in Eel and Jefferson Townships. J. E. Wallace is County Audr.

Until 1.30 p. m., July 5, by Commissioners of Jackson County, at Brownstown, Ind., for the construction of the Medora and River Bridge Road and the Sparksville Hill Road. H. W. Wacker is County Audr.

Until noon, July 5, by Commissioners of Sullivan County, at Sullivan, Ind., for the construction of a gravel road, a bituminous asphalt macadam road and a stone road. Ben C. Crowder is County Audr.

Until 10 a. m., July 5, by Commissioners of Delaware County, at Muncie, Ind., for the construction of a road on line between Washington and Union Townships, one on line between Center and Mt. Pleasant Townships, and one in Center Township. Francis M. Williams is County Audr.

Until 2 p. m., July 5, by Commissioners of Knox County, at Vincennes, Ind., for constructing nine gravel roads in all, about 93,363 ft. John T. Scott is County Audr.

Until 10 a. m., July 5, by Commissioners of Howard County, at Kokomo, Ind., for the Kirby Road, the Uttinger Rural Route Road and the Miller Road, each about three miles in length, and all in Clay Township. A. B. Easterling is County Audr.

Until 10 a. m., July 6, by Commissioners of Vanderburgh County, at Evansville, Ind., for the construction of a gravel road in Center Township. Charles P. Beard is County Audr.

Until 10 a. m., July 6, by Commissioners of Cass County, at Logansport, Ind., for the construction of a stone road on line between Deer Creek and Washington Township. J. E. Wallace is County Audr.

Until noon, July 6, by Commissioners of White County at Monticello, Ind., for the construction of a stone road in Honey Creek Township. A. G. Fisher is County Audr.

Until 1 p. m., July 6, by Commissioners of Newton County, at Kentland, Ind., for the construction of macadam road in Iroquois Township, a system of stone roads on line between Grant and Iroquois Townships, a system of stone roads in Jackson Township and a system of stone roads in Grant Township. E. R. Bringham is County Audr.

Until 2 p. m., July 10, by Commissioners of Warren County, at Williamsport, Ind., for the construction of a gravel road in Adams Township. D. H. Moffitt is County Audr.

Until 2 p. m., July 10, by Commissioners of Parke and Putnam Counties at Rockville, Ind., for the construction of a gravel road on county line between Jackson Township, Parke County, and Madison Township, Putnam County. J. E. Elder is Parke County Audr.

Until 10 a. m., July 21, by Commissioners of Allen and Adams Counties at Decatur, Ind., for the construction of a macadamized road on county line between Madison Township, Allen County, and Root Township, Adams County. H. S. Michaud is Auditor of Adams County.

✚LAPORTE, IND.—The contract for constructing a macadam road has been awarded to JOHN A. YOUNG, at $18,420.

✚LOGANSPORT, IND.—The Board of Commissioners of Cass County have awarded the following contracts: Wolford Road, to E. E. BARNARD, Delphi, Ind.; Richards Road, to GEORGE EMERY, Galveston, Ind.; Ireland Road, to FRED T. WOODS, Burnettsville, Ind.; Umbarger Road, to HARRY A. BARNES & SON, Logansport.

✚MOUNT VERNON, IND.—Contracts for the construction of gravel roads in Posey County have been awarded as follows: WHITE & EIGENMANN, Evansville, Ind., $4,900 and $3,941; MT. VERNON CONSTRUCTION CO., Mt. Vernon, $7,950; S. R. ADAMS & CO., Princeton, Ind., $20,157; CAMPBELL & HARODINS, Brazil, Ind., $23,780; S. A. GANO, Mount Vernon, $8,154.

✚VALPARAISO, IND.—The County Commissioners have awarded contracts for 16 miles of gravel roads to JACOB ACKERMAN, Laporte, Ind., at $76,400.

✚DETROIT, MICH.—Contracts for paving have been awarded as follows: Canton Ave., from Kercheval to Mack, with sheet asphalt, to THOS. E. CURRIE, McGraw Bldg., at $29,233; Jones St., from Cass Ave. to Fifth St., with brick, to F. PORATH & SONS, Penobscot Bldg., at $8,623.

GREEN BAY, WIS.—Bids will be received by the City Clerk until 2 p. m., June 27, for constructing 53,000 sq. yds. of pavement and 27,400 lin. ft. of cement curb and gutter. The surface will be either asphalt, vitrified brick block, tar macadam, concrete, creosoted wood block or sand stone block. W. W. Reed is City Engr.

✚KENOSHA, WIS.—The Common Council has awarded the contract for paving Elizabeth St. with Barr brick and asphalt filler to CHRISTIAN PETERSON, Kenosha, Wis., at $23,500.

✚MILWAUKEE, WIS.—The Department of Public Works, Harry E. Briggs, Comr., has awarded the contract for furnishing 300,000 gallons of asphaltum oil for streets and roads to the INDIAN REFINING CO., at .0305 ct. per gallon.

MINNEAPOLIS, MINN.—Bids will be received by the Board of County Commissioners until June 26, for grading and graveling Road Nos. 2 and 4, in the town of Eden Prairie, and Road No. 2, in Village of Edina. A. P. Erickson is County Audr.

COLORADO SPRINGS, COLO.—T. L. Waggener, City Engr., has completed his estimates of the cost of paving the business section, as follows: For asphaltic concrete, $238,370; bitulithic paving, $265,218; sarcalithis paving, $229,420; sheet asphalt, $239,477.

TUCSON, ARIZ.—The Board of Trustees of Pima County will soon ask bids for the construction of the speedway at Tucson. The work will consist of grading and oiling. The road will be 23 miles long and 30 ft. wide. The county surveyor is preparing plans for the improvement.

✚SOUTH BEND, WASH.—We are officially advised that the contract for paving Water, Adams, and Quincy Sts. and Broadway, was was awarded on June 12 to C. L. MORRIS CONSTRUCTION CO., Seattle, Wash., at $155,045. The only other bid received was submitted by the Ollar-Robinson Co., Banker Trust Bldg., Tacoma, Wash., at $168,298. For item bids, see Contract Price in this issue.

✚LOS ANGELES, CAL.—BENT & PENNEBAKER have been awarded the contract for macadamizing Section 1 of Harbor Boulevard, comprising about five miles of the thoroughfare between Gardena and Wilmington. Their bid was $44,582.

VERNON, CAL.—B. F. Ford, Los Angeles, was lowest bidder at $45,700 for the street improvements to be made here. E. R. Werdin, of Los Angeles, bid $52,000. The work will include 1¾ miles of asphalt paving, 3¼ miles of oiled road. Joseph Hurley, Thorpe Bldg., Los Angeles, is City Engr.

SAN JOSE, CAL.—Bids will be received by the Board of County Supervisors until July 5, for the following work: Improvement and change in Cochrane Road, improvement and change in Gilroy Hot Springs Road, and construction of a pony truss bridge over Campbell Creek on Coffin Road. J. G. McMillan is County Surveyor.

BARTON (Hamilton post-office), ONT.—Bids will be received until June 26, by Alfred G. E. Bryant, Clk., of Barton Township, for constructing cement sidewalks in the township.

PORT ARTHUR, ONT.—Bids will be received by J. McTeigue, City Clk., until 6 p. m., June 24, for 11,925 sq. yds. of paving, 6,176 lin. ft. of curb and gutter.

LETHBRIDGE, ALTA.—See item under Sewers.

MANUFACTURING PLANTS.

(✚*Denotes a contract awarded.*)

NEW BEDFORD, MASS.—A 3-story brick waste mill is about to be erected for Hill & Cutler.

✚WALTHAM, MASS.—Official advices are to the effect that the Hutchings Organ Co. is to erect a factory building. The contract has been awarded to the WOODRUFF CO., 29 West 34th St., New York. It will be a 4-story and basement structure, 180 × 44.6 ft., of reinforced concrete construction. R. J. Coulbert, of Boston, is Arch.

WORCESTER, MASS.—The Critchley Machine Screw Co. is about to erect a factory 50 ft. × 250 ft., of brick construction. Cutting, Carleton & Cutting, are the Archs.

✚PROVIDENCE, R. I.—The contract for the addition to the factory of the C. P. Henry Novelty Co. has been awarded to ROBERT OLSEN. It will be 36 × 141 ft.

PAWTUCKET, R. I.—The Crown Mfg. Co. has been incorporated with the following officers: Lyman B. Goff, Kenneth F. Wood and Benjamin C. Chace, Jr. A manufacturing plant to cost $500,000 is to be established, it is stated.

✚BRIDGEPORT, CONN.—The general contract to erect a 2-story factory building, 70 × 400 ft., for the Bridgeport Screw Co., of Bridgeport, has been awarded to the TORRINGTON BUILDING CO., of Torrington. The Concrete Steel Co., 29 Broadway, New York, is the Consulting Engr. Cost, $100,000.

NIANTIC, CONN.—As soon as plans can be arranged, the Niantic Menhaden Oil & Guano Co. will clean up the site at its recently burned plant at Giant's Neck and begin the erection of a new plant. The proposed building will be 350 × 170 ft. in size, two stories high, and built of iron and concrete in a fireproof manner. It will cost about $100,000.

PLAINFIELD, CONN.—The Plainfield Mills Corporation, which has commenced excavating for the foundations for a mill, is capitalized at $600,000. The mill will be built next to the present mill of the Lawton Co. It will be of brick, and where it joins the present mill will be one story high, being a continuation of the weave shed now in use. The 1-story addition will be 460 ft. long. South and next to this shed the building will go up three stories in height and will run a distance of 490 ft. The company is under the same control as the Lawton Co. A power plant will also be built. With the new addition, running over 130,000 spindles will be in operation in this city. Officers of the new company are: John Porteous, Pres.; Harold Lawton, Vice-Pres. and Gen. Mgr.; S. H. Greene, Treas., and E. F. Greene, Walter Packer, C. E. Riley and G. M. Whiting, Dirs.

✚WATERBURY, CONN.—CHATFIELD & CHATFIELD, 94 Benedict St., Waterbury, have been awarded the general contract for the new machine shop and storage building to be erected on Bank St. for the Plume & Atwood Mfg. Co. The building will be 46 × 115 ft., three stories high, of reinforced concrete with terra cotta hollow tile and stucco exterior, steel stairways and window frames. The James E. Brooks Co., of this city, is the Arch. Noted June 15.

✚BRIDGEPORT, CONN.—The DOWLING & BOTTOMLEY CO., of this city, general contractors for the new building at the plant of the Salts Textile Co., have awarded subcontracts for the skylights to the BRIDGEPORT CORNICE WORKS, and slag roofing to the NONPARIEL ROOFING & COVERING CO.

✚HARTFORD, CONN.—The contract for the new factory building of the Underwood Typewriter Co., on Capitol Ave., has been awarded to the TIDEWATER BUILDING CO., 16 East 33d St., New York. The building will be of brick, 50 × 200 ft., six stories high, with two hydraulic elevators and airblast heating system. Noted June 15.

NEW HAVEN, CONN.—C. Jerome Bailey, Archs., 63 Bank St., Waterbury, and 792 Chapel St., New Haven, has completed plans for a factory building for Lewis Hawthorne on Chestnut St. The new building will be three stories high, 40 × 150 ft., of brick, mill construction, with gravel roof. Noted May 25.

✚SOUTHINGTON, CONN.—The TORRINGTON BUILDING CO., of Torrington, Conn., has recently been awarded the general contract for the group of factory buildings which the Peck, Stowe & Wilcox Co. will erect here. The present contract amounts to about $175,000, and include a 5-story machine shop, 50 × 300 ft.; a 1-story forge shop, 60 × 400 ft.; foundry building, 60 × 210 ft., with annex, 30 × 112 ft., one story high; 1-story miscellaneous building, 40 × 112 ft., and a pattern shop, 40 × 154 ft., two stories high. All the buildings will be of brick and steel construction with stone trim. Subcontracts for the steel work have been awarded to the AMERICAN BRIDGE CO., 30 Church St., New York; ventilators and metal window frame, to the G. DROUVE CO., of Bridgeport, Conn.; asbestos roof for forge shop, to the ASBESTOS PROTECTED METAL CO., 100 Broadway, New York; five elevators, to the OTIS ELEVATOR CO., 17 Battery Pl., New York. Contracts for the roofing and a power house, 40 × 100 ft., have not yet been awarded. The power house will generate 1,000 HP. and will be equipped with Babcock & Wilcox boilers and a Westinghouse turbine engine. Anton Burchard, of Cleveland, Ohio, is the Arch.

FULTONVILLE, N. Y.—Official advices are to the effect that bids will be received until June 26, for the construction of a 2-story brick factory, 53 × 200 ft., for the Mohawk Silk Fabric Co. H. W. Grieme is the Arch., and C. R. Morley, one of the officers of the company.

✚JOHNSTOWN, N. Y.—The INDUSTRIAL ENGINEERING CO., 695 Washington St., New York, has received the contract from the Charles B. Knox Gelatine Co. for construction of a 3-story and basement factory building, 62 × 128 ft., and power-house, 40 × 50 ft., from plans of Linn Kinne, Arch., of Utica. Cost, $60,000.

UTICA, N. Y.—Linn Kinne, Arch., Utica City Natl Bank Bldg., has completed plans and is receiving bids for a 4-story and basement factory and warehouse building, 80 × 290 ft., to be erected at Seneca and Whitesboro Sts., by Johnson & Murray. It will be of reinforced concrete and structural steel construction. Estimated cost, $125,000.

BROOKLYN, N. Y.—Benjamin Moses of the Tiger Shirt Co., has purchased a plot, 100 × 100 ft., on Madison Ave., in the Fourth Ward, Boro. of Queens, and will improve the same with a factory.

NEW YORK, N. Y.—We are officially advised that plans are nearing completion for the erection of a 11-story and basement automobile manufacturing building at 247 West 55th St. for the Stevenson Construction Co., 270 Jackson Ave., Long Island City. It will be 60 × 90 ft. John M. Baker, 21 Jackson Ave., Long Island City, is the Arch. Bids will be received about July 1. Approximate cost, $150,000.

OSWEGO, N. Y.—The Lastlong Underwear Co. is to erect an addition to its plant which will measure 40 × 75 ft. This will be used as a dye-house and bleachery and will be 1½ stories high. Plans for the structure have been prepared and work will probably be commenced at an early date.

✚TUCKAHOE, N. Y.—The general contract to erect a 5-story addition, 80 × 100 ft., to the factory at Tuckahoe of the Hodyran Rubber Co., 806 Broadway, New York, has been awarded to the NORTH EASTERN CONSTRUCTION CO., 225 Fifth Ave., New York. W. L. Stoddart, 3 West 38th St., New York, is the Arch. Cost, $30,000.

BUTLER, PA.—According to reports, the Chamber of Commerce has closed a contract with W. S. Watson for the establishment in Butler of a pearl button factory, for which a company is to be organized with from $75,000 to $100,000 capital.

The Chamber has also been in negotiation with the National Hydro-Carbon Co., officers of which are expected here for the purpose of closing a contract to locate a plant in Butler.

EASTON, PA.—John Crossley & Sons, Ltd., textile manufacturers of England, have purchased 20 acres in this city and will

erect mills here. It is said these mills will be a duplicate of the Dean Clough mills and that they will manufacture carpets and rugs.

EMPORIUM, PA.—John H. Mueller and H. W. Schmidt, representing the Pipe Mill Co., recently executed and signed the contract with W. H. Cramer and James Fitzpatrick for the erection of an extensive plant.

✚HOMER CITY, PA.—The Prairie State Incubator Co., of Homer City, has let the contract for a building, which will be the future home of the industry. P. J. McGOVERN, of this place, has been awarded the contract for the erection of the structure, which will cost in the neighborhood of $65,000, and when completed will be one of the largest concrete buildings of the kind in the United States. Mr. McGovern's contract covers only the building proper, but when the plant is fully completed the total cost will be in the neighborhood of $100,000. The building will be in the shape of an "F." The top of the letter or the front will be 429 ft. in length, the small cross will be about 192 ft. and the smaller cross will be 80 ft., while the back or depth of the building will be 272 ft. long, making a building 989 × 61 ft. The front will be 18 ft. high, while the remainder will be 14 ft. high. The entire structure will be of concrete, glass and steel.

✚MEADVILLE, PA.—The G. H. CUTTER LUMBER CO., of this city, has been awarded the contract for the new plant of the Meadville City Ale Co.

BALTIMORE, MD.—The Eagle Aeroplane Co., of Brunswick, Ga., recently applied for a charter authorizing a capital of $100,000 which will be granted in about a month, when the company will begin active operations in the manufacture of aeroplanes. This company expects to have a branch factory and training ground in or near Baltimore and negotiations are now under way for a factory site, it is reported.

✚FAIRFIELD, MD.—The contract to erect a plant for the Impervious Product Co. to replace the one destroyed by fire recently has been awarded to the ARMORED CONCRETE CONSTRUCTION CO., 1210 Block St., Baltimore. It will be 150 × 100 ft. and 50 ft. high. Cost, $50,000.

BALTIMORE, MD.—The Paper Mills Co., Gay St. and Exchange Pl., will have plans and specifications prepared by Theodore Wells Pietsch, Arch., American Bldg., for extensive alterations and additions to its plant.

CANTON (Baltimore post-office), MD. —The Standard Oil Co., Pratt and Commerce Sts., has commissioned Haskell & Barnes, Archs., Wilson Bldg., to prepare plans and specifications for a large addition to its plant at Canton. It will be a 2-story structure, of brick and steel construction, with slag roof, electric lighting, plumbing. Bids will be taken shortly.

MOUNT SAVAGE, MD.—The Union Mining Co., H. Crawford Black, Pres., Fidelity Bldg., Baltimore, has adopted plans for an extensive addition, which, when completed, will have a daily capacity of 100,000 9-in. bricks. The company manufactures brick and special shapes for iron, steel and allied trades, cement industries, etc.

SUFFOLK, VA.—We are officially advised that bids will be received until June 25 for the construction of a brick hosiery mill for the Carr Mills of Suffolk. G. S. Bell is Pres. Estimated cost, $10,000. Noted last week.

✚MORGANTOWN, W. VA.—The general contract to erect 1-story engine repair shops, 80 × 150 ft., for the Morgantown & Kingwood R. R. Co., has been awarded to W. F. TRIMBLE & SONS, 1719 Greenwood St., Pittsburg, Pa. Irwin & Witherow, Keystone Bldg., Pittsburg, are the Engrs. Cost, $40,000.

✚PARKERSBURG, W. VA.—The Vitrolite Co., of Parkersburg, will enlarge its plant, and has awarded the building contract to L. C. POLING, of Parkersburg. These additions will be about 43 × 430 ft., and will provide space for adding annealing lehr and rub bed, enlarging cutting department, erecting melting with auxiliaries, extending casting table to take in vitrolite 72 ins. wide, build 25,000-gal. water tank, etc.

GLENOVA, W. VA.—The Wheeling Tumbler Co. will build a plant at Glendova on land donated by the Wheeling Board of Trade, to manufacture a special kind of glass tumbler. Address G. O. Smith, Pres.

CARROLLTON, GA.—The Mandeville Mills of Carrollton, will expend $150,000 on the erection of a 100 × 112-ft. extension to the picker room of yarn mill No. 2, 3-story structures, and the installation of 10,000 spindles and accompanying machinery. The company has purchased 20 automatic looms, and will buy 120 more, thus giving a total of 140 looms.

BIRMINGHAM, ALA.—The Southern Plate Glass Co. is about to be organized here with a capital of $750,000, for the purpose of erecting a factory which will have an annual capacity of 1,800,000 sq. ft. About 375 men will be employed. Robert B. Zell, of Birmingham, is interested.

MARYVILLE, TENN.—The Maryville Hosiery Mills, of Maryville, were destroyed by fire recently, the loss being about $65,000. This company is understood to have already decided to rebuild, providing a 60 × 200-ft. brick building for the new machinery. This building will cost about $14,000, and it will be equipped with 125 knitting machines and accompanying apparatus for manufacturing hosiery. There will be about 125 persons employed by the new plant and the daily output will be 600 doz. pairs of hosiery. R. B. Oliver is the Pres., and C. L. Grove the Vice-Pres.

✚BOWLING GREEN, OHIO.—The Universal Machine Co. has let the contract for the foundation for their new plant to FRANK STULLER.

✚COLUMBUS, OHIO.—The contract for building an addition to the plant of the Union Fork & Hoe Co., of Columbus, has been awarded to the FITZ-RUNER-GRANT-COOK CO.

Bids will be received until 1.30 p. m., June 26, by the Board of Managers of the Ohio Penitentiary, for equipment for a stone-crushing plant and quarry in accordance with specifications prepared by Marriott, Allen & Hall, Archs., and The Osborne Engineering Co., Engrs., and with the Revised Statutes of the State of Ohio. George U. Marvin is Secy.

✚NEW PHILADELPHIA, OHIO.—The Belmont Stamping & Enameling Co., of New Philadelphia, has let the contract to the UNION LUMBER CO. for the erection of an addition to its plant, giving 20,000 additional sq. ft. of floor space.

DAYTON, OHIO.—We are officially advised that bids will be received until Aug. 1 for the construction of a 6-story factory for the Buckeye Iron & Brass Works, 326 East Third St. Schenck & Williams, Arcade Bldg., are the Archs. Estimated cost, $130,000.

✚GARY, IND.—The RITER-CONLEY MFG. CO., 55 Water St., Pittsburg, Pa., builders of 80 Gary blast furnaces, has been awarded contracts aggregating $1,000,000 for construction of the factory for the Gary Screw & Bolt Co., which is to be erected adjoining the steel plant.

HUNTINGBURG, IND.—Official advices are to the effect that bids will be received until July 1 for the erection of a 1-story and basement furniture factory for the Huntingburg Furniture Co. E. B. Fish is Pres. Noted last week.

CHICAGO, ILL.—Plans have been completed and bids are being received by William D. Mann, Arch., 155 North Clark St., for the erection of a 10-story factory and office building, 74 × 90 ft., for the Sharples Separator Co., 40 South Clinton St. Estimated cost, $150,000.

Plans are being prepared for the construction of a 3-story factory, 36 × 109 ft., by William H. Pruyn, Jr., & Co., Archs., 44th St. and Grand Boulevard, for the C. F. Osborn Co., 116 Market St. Cost, $25,000.

✚The general contract to erect a 7-story and basement (irregular) factory and warehouse for the Thompson-Taylor Spice Co., 76 Michigan Ave., has been awarded to the HENRY ERICSSON CO., 118 North La Salle St. Chattan & Hammond, 64 East Van Buren St., are the Archs. and E. C. and R. M. Shankland, 209 South La Salle St., the Engrs. Cost, $550,000.

DUBUQUE, IOWA.—The Brunswick-Balke-Collander Co., 263 Wabash Ave., Chicago, has let the contract for the construction of a factory and power plant to the J. W. SNYDER CO., 122 South Michigan Ave., Chicago.

ST. LOUIS, MO.—Officers of the new Laclede Steel Co. have completed a deal by which they purchased 20 acres of ground half way between East St. Louis and Madison and will construct a rolling mill to cost $300,000. T. R. Akin, of St. Louis, formerly Gen. Supt. of the East St. Louis plant, is Pres. of the Laclede Co.

The St. Louis Unit Construction Co. has purchased a tract of eleven acres at Manchester Road and Knox Ave. as a site for a new casting plant for concrete construction. The property fronts 398 ft. on the west side of Knox by 649 ft. on the Missouri Pacific Railroad and about 1,400 ft. on the Frisco, giving excellent switch facilities. It is just east of the plant of the Scullin-Gallagher Iron & Steel Co. The St. Louis Unit Construction Co. is a subsidiary corporation of the Unit Construction Co., the latter being a Delaware corporation, owned by St. Louisans and engaged in the business of contracting engineer for reinforced concrete buildings. The local company has a capital stock of $100,000. George G. Chapline is its President. It has a plant at Manchester and Sublette Aves., but has reached the point where it wants to expand. William P. Carmichael is Gen. Mgr. of the Unit Construction Co.

✚FORT SMITH, ARK.—The lowest bid received on June 10 for the construction of a factory for the Garden City Buggy Co. was that submitted by ZIMMERMAN & CO., of Fort Smith, at $18,000, and the contract has been awarded to them. Edward A. Strong is the Arch.

ENNIS, TEX.—The plant of the Ennis Milling Co. that was recently destroyed here will be rebuilt.

GREENVILLE, TEX.—S. Robbins, of Winnsboro, Tex., will install a plant here for the manufacture of pottery. He is operating a similar plant at Winnsboro.

HUNTSVILLE, TEX.—C. G. Barrett will install a woodworking plant at his lumber mill here.

HEMPHILL, TEX.—W. H. Knox, of Livingston, will install a lumber mill at Hemphill. He also has under consideration the construction of a railroad between Broaddus and Sabinetown, about thirty miles, for the purpose of affording a transportation outlet for a large tract of timber that he owns.

ORANGE, TEX.—The Orange Commercial Club, through S. R. Shepherd, Secy., is negotiating for the establishment here of a chair factory.

SAN ANTONIO, TEX.—The International Railway Tie Co., of New Orleans, La., will establish a branch manufacturing plant at San Antonio.

SHERMAN, TEX.—The Farmers & Merchants' Gin Co., that was recently formed here, will install a large cotton gin. G. S. Murphy is Pres.

✚SAN DIEGO, CAL.—Toms & Blair, sheet metal manufacturers, have awarded the contract for the erection of a 2-story factory, 50 × 100 ft., on 15th St., between J and K, to BRAWNER & HUNTER, of San Diego. Cost, $25,000.

✚SAN LUIS OBISPO, CAL.—JOHN CHAPOK has received the contract for the erection of the planing mill to be put up by the Salinas Valley Lumber Co. The structure, which is to cost $30,000 complete, will be 70 × 105 ft.

BRANTFORD, ONT.—A branch plant is to be established here, it is reported, by the Clark Runabout Automobile Co., of Detroit, Mich.

TRANSCONA, MAN.—Bids will be received at the offices of the Commissioners of the Transcontinental Ry. at Ottawa, Ont., until noon, July 11, for the construction and erection complete, in accordance with the plans and specifications of the Commissioners, of shops east of Winnipeg. Plans, details and specifications may be seen at the office of Gordon Grant, Ch. Engr., Ottawa, Ont., and S. R. Poulin, Dis. Engr., St. Boniface, Man. P. E. Ryan is Secy.

MISCELLANEOUS CONTRACTS.

*(*Denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news concerning canal and irrigation projects, etc., will be found under Water Supply—Irrigation.

---

*DREDGING.—Portland, Me.—Bids for dredging in Pennerells Cove, Me., will be received by Lt.-Col. W. E. Craighill, Corps. Engrs., U. S. A., 537 Congress St., Portland, Me., until noon, July 17.

*DREDGING.—Portland, Me.—Bids were received June 17 by Lt.-Col. W. E. Craighill, Corps Engrs., for dredging in the Exeter River as follows: (a) above Stratham Bridge, (b) boulders, (c) below Stratham Bridge: Eastern Dredging Co. Boston, Mass., (a) 85 cts., (b) $8, (c) $1.25; Bay State Dredging Co., Boston, Mass., (a) 79¾ cts., (b) $10, (c) $1.10.

✚LOCOMOTIVE.—Portsmouth, N. H.—The Bureau of Yards & Docks, Navy Dept., Washingtin, D. C., has awarded contract for a locomotive for the Portsmouth Navy Yard to the H. K. PORTER CO., Pittsburg, Pa.

✚QUAY WALL.—Portsmouth, N. H.—The Bureau of Yards and Docks, Navy Dept., Washington, has awarded contract for the extension to the quay wall at Portsmouth, N. H., Navy Yard, to THOMAS FITZGIBBONS, Beverly, Mass., at $100,000.

✚RETAINING WALL.—Holyoke, Mass.—Bids for the construction of a large retaining wall on Railroad St. have been received by the Board of Public Works as follows: Daniel O'Connell's Sons, $12,950; P. J. KENNEDY, JR., $11,720 (awarded contract).

DOCKS.—Boston, Mass.—A docks commission to take charge of building and planning all large docks and wharves in Boston Harbor will, it is expected, shortly be organized. It will consist of five members, one of whom, the chairman, is [illegible] engineer. An appropriation [illegible] is a part of the act. The Go[illegible] appoint three members, the Ma[illegible] one and the fifth is to be the [illegible] the State Harbor and Land [illegible] Geo. Smith is the present Ch[illegible]

PIER.—Boston, Mass.—It is [illegible] reconstruct the Commonwealth [illegible] by the State in South Boston [illegible] pier has never been used to any [illegible] the intention is to rebuild it of [illegible] erect a superstructure so as to [illegible] commodations for ocean steamer[illegible] Hodgdon is Ch. Engr. Harbor & [illegible]

✚*BREAKWATER.—Newport, [illegible] contract for the construction [illegible] Judith breakwater has been awar[illegible] BREAKWATER CO., Philadelphi[illegible]

*DREDGING.—Newport, R. [illegible] dredging in Pawtucket River, R[illegible] received by Col. Frederic V. A[illegible] Engrs., U. S. A., until 2 p. m., [illegible]

*DIKE.—Roslyn, N. Y.—Bids w[illegible] ceived by the Clerk of the Town [illegible] Hempstead, at the Town Hall, [illegible] N. Y., until 3.15 p. m., June 27, [illegible] ing a dike, laying drain pipe, [illegible] lyn Landing, Roslyn, N. Y., a[illegible] plans and specifications prepared [illegible] C. Mackey, C. E., and on file at [illegible] of the Clerk of the Town of Nor[illegible] stead. The engineer's estimate [illegible] ties is as follows: 3,000 cu. yd[illegible] built of meadow bog, 200 cu. yd[illegible] embankment, 630 lin. ft. of 18[illegible] cotta pipe, 160 lin. ft. 12-in. [illegible] pipe, 3,000 board ft. of timber for [illegible] tion, 3 flumes, complete. Plans a[illegible] cations may be seen at the offi[illegible] Clerk of the Town of North Hemp[illegible] Manhasset, N. Y. Thomas O'Conn[illegible] hasset, N. Y., is Clk.

*BULKHEAD.—Roslyn, N. Y.—B[illegible] will be received by the Clerk of the [illegible] North Hempstead, at the Town Hall [illegible] hasset, N. Y., until 3.15 p. m., Jun[illegible] 27, for building timber bulkhead at Roslyn, N. Y. according to plans and specificatio[illegible] prepared by John D. C. Mackey, C. E. [illegible] file at the office of North Hempstead. Thomas O'Connell, Manhasset, N. Y., is Clk.

MAIL LIFTS.—New York, N. Y.—Bids were received as follows June 16 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the installation of mail lifts in the court house at New York: Otis Elevator Co., New York, $31,637; Evans-Almirall Co., New York, $29,700.

ELEVATOR.—New York, N. Y.—Bids were received as follows on June 12 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for furnishing and installing four new electric elevators in the post-office at New York: A. B. See Electric Elevator Co., New York, $22,500; Otis Elevator Co., New York, $21,479.

FENCE.—Jersey City, N. J.—Bids will be received by the Committee on High School of the Board of Education of Jersey City, N. J., until 8 p. m., June 22, in the Board Room, City Hall, for the erection of a stone and iron fence on the High School grounds at Newark and Palisade Aves., in accordance with the plans and specifications on file in the office of the Secretary of the Board. Copies of plans and specifications and blank form of bid must be obtained at the office of the Superv. Arch., John T. Rowland, Jr., 15 Exchange Pl., Jersey City.

(Continued on next page.)

CONTRACT PRICES.

✚STEEL PIPE.—Vancouver, B. C.—Bids were received, May 31, by William McQueen, City Clk., for the supply of 66,500 ft. of steel pipe from (A) MACDONALD GODSON CO., LTD., Vancouver, B. C. (awarded contract); (B) Clayton Son & Co.; (C) McDougall-Jenkins Engineers, Ltd.; (D) John Coughlan & Sons; (E) Balfour, Guthrie & Co.; (F) John Coates & Co.; (G) Drummond, McCall & Co.; (H) W. Beverley Robinson; (I) Robertson, Godson Co., Ltd.; (J) Canadian Boving Co., Ltd.; (K) C. Gardner Johnson & Co.; (L) Frank Darling & Co.; (M) Clayton Sons & Co.; (N) Evans, Coleman & Evans Ltd. The cost of the field joints was computed except in the case of MacDonald, Godson Co., Ltd. A lump sum bid of $317,060 was submitted by C. Gardner Johnson & Co. on steel riveted pipe. The itemized bids were as follows:

STEEL RIVETED PIPE, VANCOUVER, B. C.

	A	B	C	D
20,000 lin. ft. 32-in. pipe, 5/16-in. thick	$3.58	$4.523	$5.04	$4.25
Cost per field joint	7.00	6.00	8.10	8.10
20,000 lin. ft. 36-in. pipe, 5/16-in. thick	4.00	5.05	5.67	4.69
Cost per field joint	7.00	7.00	9.20	9.20
20,000 lin. ft. 36-in. pipe, ⅜-in. thick	4.96	5.78	7.00	5.40
Cost per field joint	7.00	7.00	9.20	9.20
6,500 lin. ft. 20-in. pipe, ⅜-in. thick	2.82	3.61	4.00	*2.70
Cost per field joint	7.00	3.30	4.50	*2.20
Total	$283,228	$340,936	$397,130	$326,500
Type of field joint	Riveted	Flange	Collar	Collar
Length of section, feet	33	40 and 35	33	27

*Lap welded pipe, inserted joint 18-ft. long.

LAP WELDED PIPE VANCOUVER, B. C.

	E	F	G	G (a)	G (b)	H	I	J	K	L	M	N
20,000 lin. ft. 30-in. pipe, 5/16-in. thick	$3.645	$3.88	$3.80	$4.56	$4.18	$3.81	$3.81	$4.23	$3.90	$4.58	$4.87	$4.53
Cost per field joint	6.00	6.00	6.00	8.10	7.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
20,000 lin. ft. 34-in. pipe, 5/16-in. thick	4.192	4.25	4.30	5.23	4.71	4.52	4.53	4.73	4.27	5.12	(c)5.54	(c)6.17
Cost per field joint	7.00	7.00	7.00	9.20	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
20,000 lin. ft. 34-in. pipe, ⅜-in. thick	5.037	5.42	5.13	6.08	5.35	5.26	5.38	5.44	5.44	5.98	5.54	6.17
Cost per field joint	7.00	7.00	7.00	9.20	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
6,500 lin. ft. 18-in. pipe, ⅜-in. thick	2.68	2.76	2.96	3.42	3.26	2.76	2.82	2.97	2.76	3.12	3.81	3.15
Cost per field joint	3.30	3.30	3.30	4.50	7.00	3.30	3.30	3.30	3.30	3.30	3.30	2.20
Totals	$298,269	$305,798	$300,086	$359,370	$323,016	$313,276	$316,230	$329,010	$306,921	$350,153	$367,028	$381,244
Type of field joint	Inserted	Inserted	Inserted	Kimberley	Riveted	Inserted	Inserted	Inserted	Inserted	Inserted	Inserted	Inserted
Length of section, feet	18	25	26	28	26	18	18	19.5	25	26	18 and 125	18

(a) Using lock-bar pipe.
(b) Lap-welded pipe with conical ends.
(c) ⅜-in. thick.

MISCELLANEOUS CONTRACTS.

(Continued from preceding page.)

DYKE.—Doylestown, Pa.—The contract for the [illegible]-ft. dyke at the mouth of Scott Creek was awarded to WALTER A. COLLINS, Doylestown, Pa., at $4,895.

FIREBOAT.—Philadelphia, Pa.—One bid was received June 13 for the police and fire boat "John F. Reyburn" from Passey & Jones Co., Wilmington, Del., at $38,500.

FIRE ALARM SYSTEM.—Woodlawn, Pa.—Bids will be received by the Town Council of the Borough of Woodlawn until June 28 for the installation of a fire alarm system with the Borough of Woodlawn, in accordance with the plans and specifications on file with the Secretary of the Borough. Paul M. Moore, Woodlawn, Pa., is Pres.

DREDGING.—Wilmington, Del—Specifications for the dredging of 1,200,000 cu. yds. of earth from the inner harbor at Wilmington and the filling of streets in the business center of Wilmington have been approved by the Harbor Commissioners. They provide for the removal of 530,000 cu. yds. of earth from the basin and channel directly in front of Wilmington, the channel to be 25 ft. in depth below low water. The remaining 670,000 cu. yds. are to be dredged from the channel in the vicinity of Mormon Island.

✚METERS.—Washington, D. C.—The contract has been awarded to the GENERAL ELECTRIC CO., Schenectady, N. Y., for all meters except water meters, at $37,550.

✚DRY DOCK PUMPING EQUIPMENT.—Washington, D. C.—The contract has been awarded to the WESTINGHOUSE ELECTRIC MFG. CO., Pittsburg, Pa., for dry dock pumping equipment, at $20,802.

WIRELESS TELEGRAPH TOWERS.—Arlington, Va.—Bids were received as follows on June 17 by the Bureau of Yards and Docks, Navy Dept., Washington, for the construction of steel towers for the naval wireless station at Arlington, Va. (1) net price for two 450-ft. towers and one 600-ft. tower complete, (2) for two 450-ft. towers, (3) for four 450-ft. towers, (4) for one 600-ft. tower, (5) for two 600-ft. towers: Des Moines Bridge & Iron Co., Des Moines, Iowa, (1) $133,480, (2) $82,420, (3) $164,840, (4) $51,060, (5) $102,120; Baltimore Bridge Co., Baltimore, Md., (1) $105,541, (2) $63,443, (3) $122,954, (4) $42,101, (5) $82,368; Penn Bridge Co., Washington, (1) $142,697, (2) $85,241, (3) $169,482, (4) $58,556, (5) $113,600; American Bridge Co., Baltimore, Md., (1) $129,027, (2) $78,918, (3) $148,736, (4) $50,409, (5) $100,718; Lehigh Valley Structural Steel Co., Allentown, Pa., (1) $129,720, (2) $77,300, (3) $150,225, (4) $60,120, (5) $116,240; James L. Parsons, Washington, D. C., (1) $123,800, (2) $75,620, (3) $142,140, (4) $49,000, (5) $100,000; Piedmont Construction Company, Atlanta, Ga., not on specifications, $52,000, $50,000, $25,000; McClintick-Marshall Construction Co., Pittsburg, Pa., (1) $137,845, (2) $83,460, (3) $166,320, (4) $54,385, (5) $107,470; Chicago Bridge & Iron Works, Chicago, (1) $150,290, (2) $96,800, (3) $177,600, (4) $66,400, (5) $127,800.

FIRE STATION.—Norfolk, Va.—The Board of Control will receive bids until 12.30 p. m., June 26, to erect fire station at Williams Ave. and 12th St. Plans and specifications to be obtained at office of B. F. Mitchell, Arch., 500 Seaboard Bank Bldg., Norfolk, Va.

SEA WALL.—Norfolk, Va.—Bids were received as follows on June 17 by the Bureau of Yards and Docks, Navy Dept., Washington, for the construction of a sea wall at the Navy Yard, Norfolk, Va.: George Y. Alsop, Newport News, Va. (sole bidder), item 1, $103,000, (2) $18,000, (3) $250, (4) $250.

✚ROOF COVERING.—Norfolk, Va.—The Bureau of Yards and Docks, Navy Dept., Washington, has awarded contract for the covering of the roofs of several buildings at Norfolk Navy Yard to FOSTER SMITH CO., INC., Norfolk, Va., at $7,500.

TRACK WORK.—Norfolk, Va.—Bids were received as follows on June 17 by the Bureau of Yards and Docks, Navy Dept., Washington, for the renewal of a track for a 40-ton locomotive crane at the Navy Yard at Norfolk, Va.: C. M. Leach, Box 2085, Boston, Mass., $23,100, or $33 per lin. ft.

REMOVING ROCK.—Richmond, Va.—Bids will be received until June 30 by the Committee on the Improvement of the James River for the removal of rock near the city wharf. Charles E. Bolling is City Engr.

✚*DRAINAGE.—Swanquarter, N. C.—The contract for dredging about 85 miles of canals in Lake Mattamuskeet has been awarded to the CENTRAL DREDGING CO., Cleveland, Ohio, at 6.4 cts. per cu. yd. This includes all dredging except about 135,000 cu. yds.

✚DREDGING.—Jacksonville, Fla.—It is reported that P. SANFORD ROSS, INC., Jersey City, N. J., has been awarded the contract for dredging in St. Johns River at its

LIST OF CONTRACTS PENDING

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file for reference only unless otherwise noted at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids close.		Noted in issue of
6-23	Rock excavation, Boston, Mass.	(S.) 6- 8
6-26*	Rock excavation, Boston, Mass.	(S) 6- 1
6-27	Dredging, Mobile, Ala.	(S.) 6-8
6-28	Dredging, Los Angeles, Cal.	(S.) 6- 8
6-28*	Sidewalks, New London, Conn.	(S.) 6-22
7- 1	Motor trucks, Washington, W. C.	(S) 6-15
7- 1	Elec. driven capstans, Hawaii.	(S) 6-15
7- 8	Wharf, etc., Cuba	(S) 6-15
7- 8	Power plant equip, Vallejo, Cal.	(S) 6-15
7- 8	Boilers, etc., Hawaii	(S) 6-15

Light, Heat and Power Plants.

Bids close.		Noted in issue of
6-23	Transformers, Los Angeles, Cal.	6-15
6-23	Electric light plant and system, Minocqua, Wis.	6-22
6-26	Interior electric light wiring, Sandusky, Mich.	6-22
6-26	Electric equip., Brooklyn, N. Y.	6-22
6-26	Heating and ventilating system, Steubenville, Ohio	6-22
6-26	Heating and ventilating apparatus, Bridgeton, N. J.	6-22
6-26*	Hydro-electric units, Comox, B.C.	6- 8
6-26	Electric plant, Prince Albert, Sask.	6- 1
6-27	Electric light plant, Pocahontas, Iowa	6-22
6-27	Steam and electrical power plant equipment, Hartwell, Ohio	6-22
6-28	Pumping engine, boilers, etc., Baltimore, Md.	6-15
6-30	Lighting fixtures, Washington, D. C.	6-15
7- 1	Power plant equip., Buffalo, N. Y.	6-22
7- 3	Power plant equipment and transmission line, Stettler, Alta.	6-22
7- 3	Conduit, wiring, gas piping and fixtures, Camden, Ark.	6- 8
7- 8	Power plant equipment, Vallejo, Cal.	6-15
7-12	Heating system, Columbus, Ohio.	6-22
7-15	Conduits, wiring and lighting fixtures, Philadelphia, Pa.	6-15
1-30, 1912	Power generating and pumping plants, Australia (Foreign).	6-15

Bridges.

Bids close.		Noted in issue of
6-23	Bridge, Clinton, Ill.	6-15
6-23	Bridge work, Cincinnati, Ohio	6- 1
6-23	Bridge, Topeka, Kan.	6-22
6-24	Bridge, Green Bay, Wis.	6-22
6-24	Bridges, Rockymount, Va.	6- 8
6-24	Bridge work, Knoxville, Tenn.	6-22
6-26	Bridge, Rushville, Ind.	6-22
6-26*	Bridge, Tacoma, Wash.	6- 1
6-26	Bridges, East Stroudsburg, Pa.	6-15
6-27	Bridges, Indiana, Pa.	6-22
6-28*	Substructure, Kutztown, Pa.	6-15
6-28	Bridge work, Cleveland, Ohio	6- 8
7- 1	Bridge repair, Harrisburg, Pa.	6-22
7- 3	Bridges, Laporte, Ind.	6-22
7- 3	Bridges, Orlando, Fla.	6- 8
7- 3	Viaduct, Houston, Tex.	6- 1
7- 3	Bridge, Santa Fe, N. Mex.	5-25
7- 3	Bridges, East Stroudsburg, Pa.	6-15
7- 3	Bridge, Valley City, N. Dak.	6-22
7- 5	Bridge work, Lindsay, Ont.	6-22
7- 5	Bridges, Rockville, Ind.	6-22
7- 5	Bridges, Columbus, Ind.	6-22
7- 5	Bridge, Manhattan, Kan.	6-22
7- 5	Bridges, San Jose, Cal.	6-22
7- 5	Bridge, Santa Barbara, Cal.	6- 22
7- 5	Bridges, Linneus, Mo.	6-15
7- 5	Bridge, Eureka, Cal.	5-25
7- 6	Bridge, National Soldiers' Home, Va.	6-22
7- 7	Bridge, Cincinnati, Ohio	6-22
7-10	Bridges, Richmond, Tex.	6-22
7-12	Bridge work, Cleveland, Ohio	6-22
7-12	Bridge, Columbus, Ohio	6-22
7-17	Bridges, Mankato, Minn.	6-22
7-25	Bridges, Albany, N. Y.	6-22

Buildings.

Bids close.		Noted in issue of
6-22	Academy, Great Falls, Mont.	6-22
6-22	School, Middleport, N. Y.	6-22
6-22	School, Baudette, Minn	6-22
6-23	School, Garrison, Iowa	6- 8
6-24	Remodeling bldg., Lansing, Mich.	6- 8
6-24	School, Sheboygan, Wis.	6-22
6-25	Mill, Suffolk, Va. (Mfg. Pl.)	6-22
6-26	Village hall, Maumee, Ohio	6- 8
6-26	Court house, Springfield, Mo.	6-15
6-26	Schools, etc., New York	6-15
6-26	Bakery, Fort Howard, Md. (Mfg. Pl.)	6-15
6-26	School, Alliance, Ohio	6-22
6-26	Wireless station, Arlington, Va.	6-22
6-26	Plant equipment, Columbus, Ohio (Mfg. Pl.)	6-22
6-26	Plans, Arcadia, Fla.	6-22
6-26	Factory, Fultonville, N. Y. (Mfg. Pl.)	6-22
6-27	Hospital, Mayville, N. Dak.	6-15
6-27	U. S. post-office, Gettysburg, Pa.	5-25
6-27*	Firemen's quarters, Fort Terry, N. Y.	6- 8
6-27	School, Indianapolis, Ind.	6-22
6-27	Addition to state house, Trenton, N. J.	6-22
6-28	School, Wellington, Utah	6-22
6-28	Addition to school, Price, Utah.	6-22
6-28	U. S. post-office, Suffolk, Va.	6- 1
6-29	School, Washington, D. C.	6-22
6-29	Fire stations, Winnipeg, Man.	6-22
6-30	High school, Paynesville, Minn.	6-22
6-30	School, Paton, Iowa	6-22
7- 1	Plant, Detroit, Mich. (Mfg. Pl.).	6- 1
7- 1	Schools, Miami, Okla.	6-15
7- 1	School, South Bend, Ind.	6-15
7- 1	Hospital, Allentown, Pa.	6-22
7- 1	Factory, Huntingburg, Ind. (Mfg. Pl.)	6-22
7- 3	School, Cincinnati, Ohio	6-15
7- 3	School, Chillicothe, Ohio	6-15
7- 5*	City building, Gillespie, Ill.	6-15
7- 5	U. S. post-office, Wash., D. C.	6- 1
7- 5	School, Belle Plaine, Iowa	6-22
7- 6*	Supt's dwelling, Thiells, N. Y.	6- 8
7-10	U. S. post-office, Ellsworth, Me.	6- 8
7-10	School, Albany, N. Y.	6-15
7-11	Railway shops, Winnipeg, Man.	5-15
7-11*	Dormitory, Sonyea, N. Y.	6- 8
7-11	Car shops, Transcona, Man. (Mfg. Pl.)	6-22
7-11	Hospital, Fairfield, Iowa	6-22
7-11	Station bldgs., Ottawa, Ont.	6-22
7-11	Bldg., Birmingham, Ala.	6-22
7-12	School, Newark, Ohio	6-22
7-12	U. S. post-office, Milford, Mass.	6- 8
7-12	Schools, Topeka, Kan.	6-15
7-15*	U' S. post-office, Cordele, Ga.	6- 8
7-17	U. S. post-office, Ironton, Ohio.	6-15
7-20	U. S. post-office, Waterville, Me.	6-15
7-21*	U. S. post-office, Alpena, Mich.	6-22
7-24	U. S. post office, Bristol, Conn.	6-22
7-25	U. S. post-office, Schenectady, N. Y.	6-22
7-27	Court house, Sidney, Neb.	6-15
7-27*	Group of buildings, Olympia, Wash.	5-11
7-28*	U. S. post-office, Rock Springs, Wyo.	6-22

Water-Works.

Bids close.		Noted in issue of
6-23	Water pipe, Boston, Mass.	6-15
6-23	Valves and hydrants, Fort Smith, Ark.	6-22
6-23	Water supply, Fort Smith, Ark.	6-22
6-23	Distribution system, Mena, Ark.	6- 8
6-24	Pump, etc., N. Mankato, Minn.	6- 1
6-24	Pipe, etc., Ossipee, N. H.	6-22
6-26	Watermain, Euclid, Ohio	6- 8
6-26	Irrigation work, Turlock, Cal.	6-15
6-26*	Canals, etc., Grand Valley, Colo.	6-15
6-26*	Water main, Newburg, N. Y.	6-15
6-26	Pipe, Columbus, Ohio	6-22
6-26	Laying pipe, North Haven, Mo.	6-22
6-26	Headworks, pipe and pumps, Denver, Colo.	6-22
6-26	Pumping plant, Aliquippa, Pa.	6-22
6-26	Irrigation ditch, Turlock, Cal.	6-22
6-27	Standpipe, Imlay City, Mich.	6-15
6-27	Pumping station, etc., Bridgeton, N. J.	6- 8
6-27*	Watermain, Frankfort, Ky.	6- 8
6-27*	Water intake, etc., Muskogee, Okla.	6- 8
6-27	Water-works, Red Springs, N. C.	6- 1
6-27	Water-works, Dyer, Tenn.	6-22
6-27	Stripping reservoir, Waterbury, Conn.	6-22
6-28	Laying pipe, New York, N. Y.	6-22
6-28*	Pumping engine, Baltimore, Md.	6-15
6-29*	Water-works, Mandan, N. Dak.	6-15
6-29*	Pumping machinery, etc., Montreal, Que.	5-25
6-30	Filter equip., etc., Minneapolis, Minn.	6- 1
6-30	Water-works, Bridgeport, Neb.	6-22
7- 1	Laying pipe, Homewood, Ill.	6-22
7- 1	Franchise, England, Ark.	6- 8
7- 3	Roof on reservoir, Mendota, Ill.	6-15
7- 3*	Laying pipe under water, Toronto, Ont.	6-22
7- 5	Watermain, Cleveland, Ohio.	6- 8
7- 6	Pipe, standpipe, etc., Milton, Del.	6-15
7- 6	Artesian well, Kentwood, La.	6-22
7- 6	Water-works, Gilmore City, Iowa.	6-22
7- 7	W.-wks. extension, Columbus, Neb.	6-15
7-10	Water lines, High Point, N. C.	6-15
7-10	Pumping station, Camden, N. J.	6-22

Sewers.

Bids close.		Noted in issue of
7-13	Water-works, St. Catharines, Ont.	6-22
7-13*	Filters, Montreal, Que.	6-15
7-16	Laying pipe, Macon, Ga.	6-22
6-24	Drains, Rezina, Sask.	6-22
6-25	Sewers, South Norwalk, Conn.	6-15
6-26	Sewer, Nevada, Iowa	6-15
6-26	Sewers, Aberdeen, S. Dak.	6-15
6-26	Sewers, New York	6-15
6-26	Sewers, Thorold, Ont.	6-22
6-27*	Sewer, Hempstead, N. Y.	6-15
6-27	Sewerage system, Red Springs, N. C.	6- 8
6-27*	Sewer, Woonsocket, R. I.	6-15
6-27	Sewers, Spirit Lake, Ia.	6-22
6-27	Sewers, Morris, Minn.	6-22
6-27	Sewers, Morris, Minn.	6-22
6-28*	Sewer, Baltimore, Md.	6- 8
6-29	Pumping station, Toronto, Ont.	6-22
6-30	Drain, Streator, Ill.	6-22
6-30	Sewer, Appleton, Wis.	6-15
6-30	Sewers, Bucyrus, Ohio	6-15
7- 1	Sewer, Parsons, Kan.	6-22
7- 1	Sewers, Sheldon, Iowa	6-22
7- 1*	Sewers, Aurora, Ill.	6-22
7- 3	Sewage disposal system, San Jose, Cal.	2-23
7- 6*	Sewer system, Madison, S. Dak.	6- 8
7- 7*	Sewer, Louisville, Ky.	6-22
7-11*	Sewage disposal plant imprvts., Sonyea, N. Y.	6-22
7-11*	Sewer, Fitchburg, Mass.	6-22
7-13	Sewers, Valley Junction, Iowa	6-22

Streets and Roads.

Bids close.		Noted in issue of
6-22	Roads, Portsmouth, Ohio	6-22
6-23	Walks, Rocky River, Ohio	6-15
6-23	Paving, etc., Youngstown, Ohio	6-15
6-23*	Paving, Washington, D. C.	6- 8
6-23	Road repair, Cincinnati, Ohio	6- 8
6-24	Paving, etc., Bowling Green, Ohio	6-15
6-24	Paving, etc., Kingston, Ont.	6-15
6-24	Paving, Wilson, Pa.	6-22
6-24	Road, Shiloh, Ohio	6-22
6-24	Paving, etc., Port Arthur, Ont.	6-22
6-26	Road, New York, N. Y.	6-22
6-26	Sidewalk, Syracuse, N. Y.	6-22
6-26	Paving, etc., Avalon, Pa.	6-22
6-26	Sidewalks, Barton, Ont.	6-22
6-26	Paving, Holyoke, Mass.	6-15
6-26*	Paving, Plainfield, N. J.	6- 8
6-26*	Paving, Maquoketa, Iowa	6-15
6-27	Paving, Lorain, Ohio	6-15
6-27*	Street improvement, Havre de Grace, Md.	6-15
6-27	Paving, Buffalo, N. Y.	6-22
6-27	Paving, Green Bay, Wis.	6-22
6-28	Paving, etc., Baltimore, Md.	6-22
6-28	Paving, Boston, Mass.	6-22
6-28	Road, Winchester, Ind.	6-22
6-28	Grading, Richmond, Va.	6-15
6-28	Highway, Sacramento, Cal.	6-15
6-28	Road treatment, Columbus, Ohio.	6- 8
6-29	Road imprvt., Greenburg, Pa.	6-22
6-29*	Grading, etc., Wash., D. C.	6-22
6-29	Paving, etc., Roanoke, Va.	6-22
6-30	Road treatment, Cincinnati, Ohio.	6- 8
7- 1	Paving Rome, Ga.	6-22
7- 1	Paving, St. Petersburg, Fla.	6-22
7- 1	Road imprvt., Delaware, Ohio	6-22
7- 1	Grading, Lisbon, Ohio	6-22
7- 1	Roads, Greencastle, Ind.	6-22
7- 3	Road, Vernon, Ind.	6-22
7- 3	Road, Portland, Ind.	6-22
7- 3	Roads, Tipton, Ind.	6-22
7- 3	Highway, Williamsport, Ind.	6-22
7- 3	Road, Newport, Ind.	6-22
7- 3	Road, Franklin, Ind.	6-22
7- 3	Roads, Versailles, Ind.	6-22
7- 3	Road, Salem, Ind.	6-22
7- 3	Roads, Laporte, Ind.	6-22
7- 3	Grading, Greenfield, Ind.	6-22
7- 3*	Paving, etc., Northumberland, Pa.	6-22
7- 3*	Paving, Johnstown, N. Y.	6-22
7- 3	Paving, Parkersburg, W. Va.	6-15
7- 3*	Paving, etc., Westfield, N. J.	6-15
7- 5*	Paving, Olean, N. Y.	6-15
7- 5	Road work, San Jose, Cal.	6-22
7- 5	Road, Vincennes, Ind.	6-22
7- 5	Street Impvt., Cleveland Heights, Ohio	6-22
7- 5	Roads, Valparaiso, Ind.	6-22
7- 5	Highway, Bloomington, Ind.	6-22
7- 5	Road, Rushville, Ind.	6-22
7- 5	Roads, Wabash, Ind.	6-22
7- 5	Road, Logansport, Ind.	6-22
7- 5	Road, Brownstown, Ind.	6-22
7- 5	Road, Sullivan, Ind.	6-22
7- 5	Roads, Kokomo, Ind.	6-22
7- 5	Roads, Muncie, Ind.	6-22
7- 5*	Paving, Charlotte, N. C.	6-22
7- 6	Paving, Wilson, Pa.	6-22
7- 6	Road, Evansville, Ind.	6-22
7- 6	Road, Logansport, Ind.	6-22
7- 6	Road, Monticello, Ind.	6-22
7- 6	Roads, Kentland, Ind.	6-22
7- 6*	Paving, Olean, N. Y.	6-15
7- 7	Road repair, Cincinnati, Ohio	6-15
7- 7	Road impvt. Mt. Gilead, Ohio	6-22
7- 7*	Paving, Tarboro, N. C.	6-22
7- 8	Paving, Norwalk, Va.	6-22
7- 8	Concrete walks, Norfolk, Va. (S.)	6-22
7-10	Road, Williamsport, Ind.	6-22
7-10	Roads, Rockville, Ind.	6-22
7-10	Grading, etc., Andalusia, Ala.	6-22
7-10*	Paving, Wadsworth, Ohio	6-22
7-11	Paving, etc., Greenfield, Iowa	6-15
7-12	Paving, Columbus, Ohio	6-22
7-15*	Paving, etc., Wilmington, N. C.	6-15
7-21	Road, Decatur, Ind.	6-22
7-26	Grading, etc., Minneapolis, Minn.	6-22

Miscellaneous.

Bids close.		Noted in issue of
6-22	Fence, Jersey City, N. J.	6-22
6-22	Drains, Harvel, Ill.	6-22
6-23	Concrete mixers, Montreal, Que.	6-15
6-23*	Towboats, Cincinnati, Ohio	5-25
6-23	Rock excavation, Boston, Mass.	6- 1
6-23	Ditch, Jackson, Minn.	6-15
6-24	Dredging, Philadelphia, Pa.	6- 1
6-24	Ditch, Columbus, Ohio	6-22
6-25	Dredging, Dumas, Ont.	6-22
6-26	Fire station, Norfolk, Va.	6-22
6-26	Dredging, Baltimore, Md.	6- 1
6-26*	Dredging, Jacksonville, Fla.	6- 1
6-26	Storage and locker building, New York	6-15
6-26*	Rock excavation, Boston, Mass.	6- 1
6-26*	Ledge excav., dredging, Portland, Me.	6- 1
6-26	Breakwaters, etc., Cleveland, Ohio	5-25
6-26*	Dredging, Baltimore, Md.	5-25
6-27*	Dredging, Mobile, Ala.	6- 8
6-27	Protective work, Ottawa, Ont.	6-22
6-27*	Dyke, Roslyn, N. Y.	6-22
6-27*	Bulkhead, Roslyn, N. Y.	6-22
6-28	Fire alarm system, Woodlawn, Pa.	6-22
6-28	Dredging, Los Angeles, Cal.	6- 8
6-28	Wall, Anniston, Ala.	6- 8
6-29	Stone, etc., Vicksburg, Miss.	6- 8
6-29	Dredging, dike removal, Wilmington, Del.	6- 8
6-29*	Lock masonry, Detroit, Mich.	5-11
6-29	Levee construction, Marion, Ark.	6-15
6-29	Grandstand, Sacramento, Cal.	6-15
6-30	Railway, Panama (Foreign)	6-15
6-30	Subway, Fort William, Ont.	6- 8
6-30*	Dredging, Wilmington, N. C.	6- 8
6-30	Removing rock, Richmond, Va.	6-22
7- 1	Railway, Ontario (Railways)	6- 8
7- 1	Ditch, Lebanon, Ind.	6-15
7- 1	Motor trucks, Washington, D. C.	6-15
7- 1	Brush, etc., Memphis, Tenn.	6-15
7- 1	Elec. driven capstans, Hawaii (U. S. Poss.)	6-15
7- 3*	Revetment, Kansas City, Mo.	6- 8
7- 3	Police patrol telegraph system, Winnipeg, Man.	5-11
7- 4	Steel rails, etc., Australia (Foreign)	6-15
7- 5	Breakwater, Port Arthur, Ont.	6-15
7- 5*	Jetty work, Dallas, Tex.	6- 8
7- 5*	Dredging, Savannah, Ga.	6- 8
7- 6*	Dredging, Montgomery, Ala.	6- 8
7- 6	Barn and ice house, Theills, N. Y	6-15
7- 7*	Dredging, New London, Conn.	6- 8
7- 8*	Dredging, Galveston, Tex.	6-15
7- 8	Wharf, etc., Cuba (U. S. Poss.)	6-15
7- 8	Boilers, etc., Hawaii (U. S. Poss.)	6-15
7-11	Switchboard cable, Australia (Foreign)	6-15
7-11*	Dredging, Newport, R. I.	6-15
7-12*	Stone, Savannah, Ga.	6-15
7-15*	Iron and steel, Dallas, Tex.	6-15
7-15	Station building, Charleston, S.C.	6- 1
7-15	Stone jetty, Sandusky, Ohio	6-22
7-16*	Dredging, Portland, Me.	6-22
7-17*	Dredging, Jacksonville, Fla.	6-22
7-17*	Dredging, Newport, R. I.	6-22
7-17*	Dredging, Portland, Me.	6-15
7-18	Steel rails, Panama (U. S. Poss.)	6-15
7-22*	Harbor work, Chile (Foreign)	4-21
7-24	Spillway gates and caissons, Panama (U. S. Poss.)	6-15
8- 1	Steamers, Argentine (Foreign)	6-15
8- 1	Railway, Ontario (Rys.)	6- 8
8- 1	Railway, Ottawa, Ont.	6-22
8- 7	Torpedo-boat destroyers, Washington, D. C.	6- 8
8-10	Harbor works, St. John, N. B.	6-22

Examinations.

Examination date.		Noted in issue of
6-26	Marine Engr., New York	6- 1
6-29	Cable Tester, New York	6- 1
6-30	Inspector of Iron and Steel construction, New York	6- 1
7- 8	Elec. Engineer, Albany, N. Y.	6-15
7-17	Junior Mechan. Draftsman, New York	6-15
7-19	Mechanical Draftsman, Washington, D. C.	6-15
7-19	Topographical Draftsman, New York	6-15
7-20	Mechanical Engineer, New York	6-15

bid for removing about 65,000 cu. yds. of mud and oyster shell, of 74 cts. per cu. yd., and placing approximately 6,200 tons of granite rock along a revetment wall at $2.95 per ton.

DREDGING.—Jacksonville, Fla.—A bid of $14,949 was received June 3 by Capt. George R. Spaulding, Corps Engrs., U. S. A., Jacksonville, Fla., from Hillsboro Dredging Co., Tampa, Fla., for dredging in Indian River.

*DREDGING.—Jacksonville, Fla.—Bids for dredging in Hillsboro Bay, Fla., will be received by Capt. George R. Spalding, Corps Engrs., U. S. A., until noon, July 17.

DOCKS.—Jacksonville, Fla.—The Seaboard Air Line Ry. has under consideration the construction of terminal improvements and warehouse on river front, involving the expenditure of $100,000, which will provide facilities for dockage of three vessels at once.

LEVEE WORK.—New Orleans, La.—Bids were received June 14 for (a) about 48,500 cu. yds. of jeter levee and (b) about 35,000 cu. yds. of south bank levee from LUINAU BROS., Baton Rouge, La. (awarded contract), (a) 12.69 cts., (b) 22.50 cts.; J. A. Montgomery, Shreveport, La., (a) 13.30 cts.

✚STONE.—New Orleans, La.—The contract for 26,000 tons of rock for bank revetment for which bids were opened June 6 by Maj. H. Burgess, Corps Engrs., U. S. A., was awarded to ESKALD & ALEXANDER, New Orleans, La., at $2.12 per ton.

DREDGE.—Nashville, Tenn.—Bids were received June 6 by Maj. Wm. W. Harts, Corps Engrs., U. S. A., for building dredge "Tellico," as follows: The Marion Steam Shovel Co., Marion, Ohio, $18,500; The Bucyrus Co., South Milwaukee, Wis., $32,000; The Marion Shovel & Dredge Co., Marion, Ohio, $16,248; The Vulcan Steam Shovel Co., Toledo, Ohio, $30,875.

✚DITCH WORK.—Louisville, Ky.—Bids were received by the Clerk of the Fiscal Court of Jefferson County on June 6 for excavation, clearing right-of-way and building necessary structures. The contract has, it is reported, been awarded to R. H. & C. A. McWILLIAMS, at $27,147 for the Pond Creek ditch, and to C. H. DISHMAN, at $32,754, for the Mill Creek ditch.

DITCH WORK.—Columbus, Ohio.—Bids will be received by Hugh K. Lindsay, County Engr., until June 24, for constructing the Dellinger Ditch, two miles southwest of Galloway, in Prairie Township, Franklin County.

STONE JETTY.—Sandusky, Ohio.—Bids will be received by Col. John Mills, Corps Engrs., until July 15 for extending stone jetty work at Sandusky.

DREDGING.—Michigan City, Ind.—Bids were received as follows on June 3 by Lt.-Col. George A. Zinn, Corps Engrs., U. S. A., for dredging in the harbor at Michigan City: (1) price per cu yd., (2) total. Great Lakes Dredge & Dock Co., Chicago, Ill., (1) 15 cts., (2) $12,450; Fitz Simons & Connell Dredge & Dock Co., Chicago, Ill., (1) 13.4 cts., (2) $11,122.

LEVEE.—East St. Louis, Ill.—The Board of Trustees of the East Side Levee and Sanitary District has approved plans of the Engineering Department for the construction of Sections 2 and 3 of the Front Levee. These two sections will aggregote 10½ miles and 1,600,000 cu. yds. of earth. T. N. Jacob is Ch. Engr.

DRAINS.—Harvel, Ill.—Bids will be received by the Commissioners of Lone Elm Drainage District until June 22 for furnishing tile drains.

REPAIR OF DAMS, ETC.—Rock Island, Ill.—Bids were received June 8 by Maj. C. Keller, Corps Engrs., U. S. A., for the construction and repair of dams and shore protections as follows: (a) rock in place per cu. yd., (b) brush in place per cu. yd., (c) average per cu. yd. in place: Reads Landing to Alma, Albert V. Fetter, Quincy, Ill., (a) $1.70, (b) 70 cts., (c) $1.10; Albert Kirchner, Fountain City, Wis., (a) $1.69, (b) 68 cts., (a) $1.084. Genoa to Lynxville, Albert V. Fetter, Quincy, Ill., (a) $1.68, (b) 68 cts., (c) $1.08; Albert Kirchner, Fountain City, Wis., (a) $1,69, (b) 68 cts., (c) $1.084. McGregor to Dubuque, Albert V. Fetter, Quincy, Ill., (a) $1.85, (b) 65 cts., (c) $1.05; Albert Kirchner, Fountain City, Wis., (a) $1.59, (b) 68 cts., (c) $1.044; Builders' Sand & Gravel Co., Davenport, Iowa, (a) $1.65, (b) 68 cts., (c) $1.068. Rock Island to Muscatine, Albert V. Fetter, Quincy, Ill., (a) $1.65, (b) 65 cts., (c) $1.05; Albert Kirchner, Fountain City, Wis., (a) $1.59, (b) 68 cts., (c) $1.044; Builders' Sand & Gravel Co., Davenport, Ia., (a) $1.57, (b) 68 cts., (c) $1,036. Sections 16-33, Flint Creek-Iowa River Levee, Albert V. Fetter, Quincy Ill., (a) $1.67, (b) 67 cts., (c) $1.17. Keokuk to Hannibal, Albert V. Fetter, Quincy, Ill., (a) $1.65, (b) 65 cts., (c) $1.05; Albert Kirchner, Fountain City, Wis., (a) $1.69, (b) 68 cts., (c) $1.084; Builders' Sand & Gravel Co., Davenport, Iowa, (a) $1.69, (b) 65 cts., (c) $1.066. Hamburg to Cap au Gris, Rust, Swift & Co., St. Louis, Mo., (a) $1.55, (b) 60 cts., (c) 98 cts.; Albert V. Fetter, Quincy, Ill., (a) $1.57, (b) 61 cts., (c) 99.4 cts.

✚ROAD OIL.—Milwaukee, Wis.—A contract for 300,000 gals. of asphaltum road oil was awarded to the INDIAN REFINING CO., Cincinnati, Ohio, at 3.05 cts.

✚*DRAINAGE EXCAVATION. — Clarinda, Iowa.—Bids were received June 14, by the Board of Supervisors of Page County, Clarinda, for the construction of a new channel for the Nodaway River in Drainage District No. 9, Page County. The contract for 990,000 cu. yds. excavation was awarded to J. W. BIRKE, Mt. Pulaski, Iowa, at 6.68 cts. per yd.

DRAIN.—Estherville, Iowa.—Bids were received June 14 as follows: Drain No. 62, Armstrong Cement Works, Armstrong, Iowa, $6,066; No. 48, Armstrong Cement Works, Armstrong, Iowa, $11,369; No. 59, Eckwold & Petersen, Emmetsburg, Iowa, $3,456.

DREDGING.—Duluth, Minn.—Bids were received June 15 for dredging shoals in Duluth-Superior Harbor by Maj. Francis R. Shunk, Corps Engrs., as follows: Zenith Dredge Co., Duluth, Minn., 17½ cts.; Duluth-Superior Dredging Co., Duluth, Minn., 17¼ cts.; Northern Dredge & Dock Co., Duluth, Minn., 17 cts. (recommended for acceptance).

DAM.—Austin, Tex.—See item under Light, Heat and Power.

✚CANAL.—Boise, Idaho.—The U. S. Reclamation Service has awarded contract to MANEY BROS., Boise, Idaho, for the enlargement of the main south side canal, Boise Irrigation Project. The work involves the excavation of about 13,000 cu. yds. of material. The contract price is $17,005. A contract has also been awarded to the H. K. PORTER CO., Pittsburg, Pa., for one locomotive, at $10,140

✚CONCRETE TANKS.—Coalinga, Cal.—The Associated Oil Co. will construct two reservoirs 22 ft. deep and 500 ft. in diameter, to be constructed of steel and reinforced concrete and each one to have a capacity of 750,000 bbls., to be covered with wood and corrugated iron. Separate bids will received by Engr. B. D. Vail, San Francisco, for the steel, concrete and carpenter work. MAHONEY BROS., Crocker Bldg., San Francisco, Cal., have the contract for the excavation.

ROAD ROLLERS.—Los Angeles, Cal.—Bids are being received on two 20-ton steam road rollers by the County Board of Supervisors. Harry Leland is Clk. of the Board.

DOCK.—Watsonville, Cal.—The Watsonville Railway & Navigation Co. contemplates building a concrete dock at Port Watsonville on Monterey Bay to cost $100,000. [illegible] E. Snowden, 311 California St., San [illegible] is Pres. and Gen. Mgr.

HARBOR WORKS.—St. John, N. [illegible] endorsed "Tender for Harbor [illegible] Courtenay Bay, St. John, N. B.," [illegible] ceived until 4 p. m., Aug. 10, for [illegible] struction of a breakwater, wharves, [illegible] dredging of a channel and basin, [illegible] the filling shown on plan, and also [illegible] construction of a dry dock and [illegible] ing plant. Plans, specifications and [illegible] contract can be seen and forms [illegible] obtained at the Department, at the [illegible] of E. T. P. Shewen, District Engr., [illegible] N. B.; J. K. Scammell, District [illegible] John, N. B.; C. E. W. Dodwell, [illegible] Engr., Halifax, N. S.; A. R. Decary, [illegible] Engr., Post-office, Quebec; J. L. [illegible] District Engr., Merchants' Bank [illegible] James St., Montreal, Que.; J. G. S[illegible] trict Engr., Confederation Life B[illegible] ronto, Ont.; H. J. Lamb, District [illegible] London, Ont., and at the office of the [illegible] Commissioner for Canada, London, [illegible] R. C. Desrochers is Secy. Department of Public Works, Ottawa.

CONCRETE MIXERS.—Montreal, [illegible] Bids will be received until noon, [illegible] 23, by L. N. Senecal, Secy. Bd. of Com[illegible] City Hall, Montreal, for the supply and [illegible] of eight concrete drum mixers, lo[illegible] on each side alternately and end dis[illegible]: Two mixers, capacity, ½ cu. yd., wi[illegible] gasoline engines; two mixers, capacity ½ [illegible] yd., with electric motors; two mixers, [illegible] ¾ cu. yd., with gasoline engines; two mixers, capacity ¾ cu. yd., with electric motors.

DREDGING.—Dundas, Ont.—Bids addressed to William Lawson, Chn. Bd. of Works, Dundas, Ont., will be received until June 25, for dredging the Desjardines Canal, involving the removal of about 27,500 cu. yds. The work to be completed by Sept. 1, 1911. Plans and specifications may be seen at the office of John J. Armour, C. E., Dundas, [illegible]

PROTECTION WORK.—Ottawa, Ont.—Bids will be received until June 27 by L. K. Jones, Secy. Dept. Railways and Canals, for construction of protection works for the Soulanges Canal. Plans can be had on application to the Department, Ottawa, or Engineer, Quebec Canals, 2 Place D'Armes, Montreal.

RAILWAY.—Ottawa, Ont.—See item under Railways.

✚WHARF.—Vancouver, B. C.—The contract for a concrete wharf and warehouse has been awarded by the Grand Trunk Pacific Ry. to MATTHEW DOW, Seattle, Wash., at $300,000.

For other Proposal Advertisements see pages

49, 50, 51, 52, 54, 56

of Advertisements and Construction News, page 302

SEWER CONSTRUCTION.

OFFICE OF THE COMMISSIONERS OF SEWERAGE OF LOUISVILLE, KY. Incorporated.

Sealed proposals for the construction of the "Long Avenue Sewer," Contract No 81, will be received at the office of the Commissioners of Sewerage, 605 Equitable Bldg., Louisville, Ky., until 12 o'clock noon, July 7th, 1911.

The work consists mainly of the construction of 5,245 ft. of vitrified pipe sewer, ranging in size from 10" to 22"; average depth of cut 8.5 ft.; about 300 cu. yds. rock and 45 cu. yds. concrete.

Sealed bids should be endorsed "Proposal for Long Avenue Sewer," and addressed to the Commissioners of Sewerage, Equitable Bldg., Louisville, Ky. Each bid must be accompanied by a certified check for at least seven per cent. (7%) of the total amount of the bid, or a "Bidder's Bond," as described in the form of proposal.

Plans and specifications may be seen at the office of Harrison P. Eddy, Consulting Engineer, 14 Beacon St., Boston, Mass., or at the office of the Commissioners of Sewerage.

P. L. ATHERTON, Chairman.
CHAS. P. WEAVER, Secy. & Treas.
J. B. F. BREED, Chief Engineer.

SEWAGE DISPOSAL PLANT IMPROVEMENTS.

Sonyea, N. Y.

Sealed proposals for alterations to sewage disposal plant at Craig Colony for Epileptics, Sonyea, N. Y., will be received by Percy L. Lang, President of the Board of Managers, Craig Colony for Epileptics, Sonyea, N. Y., until 2 P. M., July 11, when they will be opened and read publicly.

Proposals shall be accompanied by a certificed check in the sum of $150, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of $1,500, within thirty days after notice of award of contract and in accordance with the terms of specification No. 1372. The right is reserved to reject any or all bids. Drawings and specifications may be consulted and blank form of proposal obtained at Craig Colony for Epileptics, Sonyea, N. Y., and at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders upon reasonable notice to and in the discretion of the State Architect, FRANKLIN B. WARE, Albany, N. Y.

STRIPPING RESERVOIR.

Waterbury, Conn.

Sealed proposals for the stripping of surface soil from the basin of Morris Reservoir in the towns of Morris and Litchfield, will be received by the Board of Public Works of the City of Waterbury until 8 o'clock p. m., of Tuesday, June 27, 1911, at which time they will be publicly opened and read.

Each proposal must be accompanied by a certified check for 5 per cent. of the bid, drawn payable to the order of the Comptroller of the City of Waterbury as a guarantee that the bidder to whom the contract is awarded will execute the contract with satisfactory surety within the time specified in his proposal. In case of his failure to do so the check shall become the property of the city.

The right is reserved to reject any or all bids.

Proposals must be made on blanks furnished by the Board, and no bids will be considered unless prepared in strict conformity to this notice.

The contract and specification may be seen and proposal blanks and all available information may be obtained by intending bidders applying in person at the office of the City Engineer, No. 9 Leavenworth St.

By order of Board.

R. A. CAIRNS,
City Engineer.

SEWERS.

Aurora, Ill.

Sealed proposals will be received up to 2 P. M., July 1st, 1911, by the Board of Local Improvements, for the construction of sewers in Districts Nos. 7 and 8, in the City of Aurora, Illinois.

Approximate quantities:

District No. 7—Four miles of vitrified tile pipe and one mile of concrete pipe.

District No. 8—Four miles of vitrified tile pipe.

MYRON J. TARBLE,
City Engineer.

PUMP HOUSE, ETC., FOR FIRE PROTECTION AT ASYEA STATION.

Camden, N. J.

Sealed proposals are invited on each of the following propositions:

1st. Pump House.

2nd. Gasoline Engine, foundation, Gasoline tank Pump, connections and Stand Pipe, in position.

3rd. Generator with foundation and electrical equipment in position.

All in accordance with the specifications which may be obtained by applying to F. W. George, Court House, Camden, N. J.

Bids will be received, immediately opened and publicly read in the County Engineer office in the Court House in Camden, N. J., on Monday, July 10th, 1911, at 11 A. M.

SAMUEL WOOD,
Chairman.

J. J. ALBERTSON,
County Engineer.
Camden, N. J., June 19th, 1911.

PAVING.

Johnstown, N. Y.

Sealed proposals will be received by the undersigned up to 7.30 o'clock p. m., of July 3, 1911, for an Asphalt Block Pavement on South Perry Street, between Main Street and Clinton Avenue, for the following estimated quantities:

2,946 sq. yds. Asphalt Block Pavement.
30 lin. ft. of new straight curb.
1,244 lin. ft. of old curb to reset.
185 lin. ft. of new headers.
20 lin. ft. of new 6' radius curb.
8 new driveway corners, 12" radius.

Bidders are required to submit a certified check of $500 with the bid.

Plans, profile and specifications may be seen, and blank forms and all necessary information obtained at the office of the City Engineer.

GROVER E. YERDON,
City Clerk.

STREET IMPROVEMENTS.

Tarboro, N. C.

Sealed proposals will be received by the Street Paving Committee of Tarboro, N. C., until 4 p. m., July 7, 1911, for improving Main Street. The work will consist of about 25,000 sq. yds. of 8-inch bituminous macadam and a small amount of cement sidewalk, drainage, etc. Alternate bids will be considered on 8,000 sq. yds. vitrified brick paving on concrete base and 17,000 sq. yds. bituminous macadam.

Plans and specifications will be on file at the office of the Clerk at Tarboro, N. C., and at the office of the Engineer at Durham, N. C., and copies of specifications, form of proposal, etc., may be obtained from the Engineer at Durham, N. C.

Certified check for $500.00 required as an evidence of good faith.

The right is reserved to reject any or all bids.

W. O. HOWARD, Mayor.
JNO. A. WEDDELL, Clerk.

Engineer:
GILBERT C. WHITE,
Durham, N. C.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 16, 1911.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 28th day of July, 1911, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and interior lighting fixtures of the U. S. Post Office at Rock Springs, Wyoming, in accordance with drawings and specification, copies of which may be obtained from the Custodian of site at Rock Springs, Wyo., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

U. S. ENGINEER OFFICE, Jacksonville, Fla., June 17, 1911.—Sealed proposals for dredging in Hillsboro Bay, Fla., will be received at this office until 12 m., July 17, 1911, and then publicly opened. Information on application. GEORGE R. SPALDING, Capt., Engrs.

Miscellaneous Wants

Contractors, Attention

An Engineer of standing and experience with the best railroads of the country wishes the association of a Contractor or Construction Company of financial strength sufficient to assist him in building a seventy-mile railroad in an eastern State. Funds to pay for the work are provided. References required and given. Address "Y. 25," Engineering News, 1636 Monadnock Block, Chicago. 25-

The Rate for Display
Situation Wanted
Advertisements
Is $1.50 per Inch

Su

CONST
Ra
Ele
Lig
Br
Bu
W
Se
Ga
St
Ma
Mis
U.
Fo
Co
Pla
Lis
EXAM
INDUS
READ
TRAD
PROP

MAS
Systen
The
which
systen
dence,
constr
from
It is
Massa
road
H. F
Trunk
other
Hays,
W. H
the C
Witte
Alban
John

NE
recen
facili
for e
shops
this
sell
Publi
This
as th
ble
fund
prop

PE
R.—
plan
ilita
uous
Line
bein
ville
prov
coal
regi
new
Gre
pro
tine
Sou
Cin
Wh
line

P
Thi
and
Pa.
the
the
the
wa
tra
ern
the
cen
lin
thr
cil
th
Or
sh
Ov
str
ov
m
bo
ti
ha

Cl
li
cr
$3
te
B
M
P
b
M
F
F